Construction News

★Denotes work advertised in ENGINEERING NEWS.
✚Denotes contract awarded. The names of bidders awarded contracts are set in CAPITALS.

FEBRUARY BUILDING OPERATION

A marked improvement in building operations is shown in the Eastern States. There is a gain of 17.8% in February in the building operations in 23 cities of this year over last year. There is also a gain of 16.4% for the first two months of this year over the corresponding period of last year. The Borough of Manhattan alone shows an increase of $3,000,000 in February over the corresponding month last year. While there is a falling off in the Middle West, it is not as great as was recorded in January. The reason for the decrease in building in the Western States this year is that plans were filed in 1914 for many buildings in connection with the Panama-Pacific Exposition.

In the following list is given the contemplated building operations from plans filed with the various building departments:

EASTERN STATES

	Month of February		First Two Months of Year	
	1915	1914	1915	1914
Albany, N. Y.	$277,115	$200,650	$617,405	$349,715
Baltimore, Md.	896,450	417,743	1,471,522	896,533
Boston, Mass.	1,375,810	2,643,762	6,978,401	6,890,777
Bridgeport, Conn.	237,495	154,682	335,605	281,077
Buffalo, N. Y.	307,000	395,000	688,000	931,000
Elizabeth, N. J.	40,184	23,210	122,498	71,082
Hartford, Conn.	151,600	90,165	290,865	356,052
Hoboken, N. J.	6,690	178,084	331,690	241,564
Jersey City, N. J.	319,154	318,301	456,954	406,801
Newark, N. J.	955,391	1,247,933	1,295,099	1,601,147
New Bedford, Mass.	92,925	111,825	168,485	480,780
New Haven, Conn.	674,855	291,754	807,010	556,074
New York, N. Y.				
Bronx	2,549,100	1,195,980	4,621,350	2,512,830
Brooklyn	1,536,150	3,058,675	2,900,245	5,517,965
Manhattan	4,982,000	1,766,815	12,813,000	5,277,915
Queens	1,498,302	517,410	2,140,926	1,590,917
Paterson, N. J.	57,217	65,378	131,112	95,319
Philadelphia, Penn.	2,574,730	1,794,905	3,485,535	3,042,890
Pittsburgh, Penn.	608,644	2,010,568	1,074,105	3,181,605
Reading, Penn.	102,275	95,750	108,175	510,725
Rochester, N. Y.	382,607	372,957	629,324	727,277
Scranton, Penn.	42,600	64,729	80,770	166,654
Springfield, Mass.	692,795	292,765	958,800	455,285
Syracuse, N. Y.	160,383	52,045	380,098	120,745
Utica, N. Y.	7,975	19,050	61,575	62,650
Worcester, Mass.	81,855	104,820	159,131	635,004
Totals	$20,612,202	$17,493,956	$43,116,689	$36,961,292

SOUTHERN STATES

	1915	1914	1915	1914
Atlanta, Ga.	$471,961	$335,391	$745,757	$656,356
Birmingham, Ala.	136,710	216,455	208,888	466,685
Chattanooga, Tenn.	33,110	108,925	62,252	164,095
Dallas, Tex.	324,185	564,220	464,190	981,970
Ft. Worth, Tex.	45,625	243,063	136,330	422,328
Houston, Tex.	129,934	328,275	288,478	507,246
Louisville, Ky.	283,220	163,860	500,640	467,140
Memphis, Tenn.	101,735	275,455	203,688	636,845
New Orleans, La.	97,323	204,794	244,322	408,845
Norfolk, Va.	172,730	96,835	292,504	217,600
Richmond, Va.	259,184	270,567	419,024	460,271
San Antonio, Tex.	113,595	577,950	204,925	895,815
Tampa, Fla.	50,735	109,820	103,915	260,315
Washington, D. C.	890,833	793,241	1,361,161	1,255,001
Totals	$3,110,880	$4,288,851	$5,296,164	$7,860,512

MIDDLE WEST

	1915	1914	1915	1914
Akron, Ohio	$99,060	$198,530	$144,695	$336,680
Canton, Ohio	39,550	37,250	70,725	48,470
Chicago, Ill.	4,701,500	5,097,900	9,029,400	9,824,800
Cincinnati, Ohio	499,645	316,515	950,995	897,425
Cleveland, Ohio	1,733,925	1,398,010	2,850,005	2,696,635
Columbus, Ohio	153,350	225,915	238,450	404,655
Davenport, Iowa	29,340	352,950	55,795	418,370
Des Moines, Iowa	65,145	126,300	117,395	164,700
Detroit, Mich.	1,307,215	3,020,850	2,428,495	5,657,110
Duluth, Minn.	89,647	147,470	179,802	384,980
Grand Rapids, Mich.	104,300	82,095	184,372	423,335
Indianapolis, Ind.	307,750	292,938	574,557	775,280
Kansas City, Kan.	55,150	43,125	90,840	100,995
Kansas City, Mo.	896,330	1,053,950	1,284,210	1,938,215
Milwaukee, Wis.	409,056	578,382	612,705	921,240
Minneapolis, Minn.	811,495	498,005	1,296,595	1,002,510
Omaha, Neb.	84,100	221,175	249,175	401,615
Peoria, Ill.	51,750	45,600	227,750	217,800
St. Louis, Mo.	701,062	908,083	1,795,735	1,762,205
St. Paul, Minn.	797,054	371,444	1,496,312	885,756
Toledo, Ohio	454,507	606,400	991,904	841,294
Youngstown, Ohio	79,650	84,740	152,900	154,107
Totals	$13,470,681	$15,707,727	$25,022,912	$30,258,177

WESTERN STATES

	1915	1914	1915	1914
Denver, Colo.	$165,070	$206,205	$342,705	$435,523
Los Angeles, Calif.	560,607	1,455,730	1,421,057	2,637,976
Oakland, Calif.	288,311	387,029	544,984	645,715
Portland, Ore.	311,740	605,530	684,430	1,050,130
Salt Lake City, Utah	147,705	112,000	231,355	234,450
San Diego, Calif.	84,095	102,098	353,400	527,183
San Francisco, Calif.	807,936	4,574,280	1,670,753	11,924,096
Seattle, Wash.	353,880	553,295	762,465	1,759,875
Spokane, Wash.	21,525	24,125	113,710	58,140
Tacoma, Wash.	56,751	167,722	116,349	276,825
Totals	$2,797,686	$8,249,514	$6,280,208	$19,549,945

RAILWAYS

New Jersey—Pennsylvania & Atlantic R.R.—Articles of consolidation merging the Philadelphia & Long Branch R.R., the Pemberton & Hightstown R.R., and the Kinkora & New Lisbon R.R. into a new company of the above name, have been filed at Trenton, N. J.

North Carolina—Southern Ry.—Surveys are being made by this company for the enlargement of its yards at Pomona, N. C. W. H. Wells, Washington, D. C., is Ch. Engr. Constr.

Georgia—Georgia Lumber Co.—Plans are being considered by this company for the extension of its railway for several miles. J. S. Moreton, Byromville, Ga., is Mgr.

✚**Georgia**—Ocilla Southern Ry.—This company has awarded the contract for the construction of the extension of its line from Rochelle to Pope City, about 7½ miles, to MARTIN TANKERSLEY.

Florida—Fort Myers, Marco Bay & Miami Ry.—Contracts will soon be awarded by this company for the construction of a railway from Fort Myers, Fla., via Naples and Marco Bay to Everglade, thence east across southern Florida to Miami, about 150 miles. W. B. Clay, Arcadia, Fla., is Ch. Engr.

Mississippi—New Orleans, Mobile & Chicago R.R.—According to press reports this company contemplates the construction of an extension from Estes, Miss., to Talla Haga and Noxapater Swamp. B. V. Wright, Laurel, Miss., is Ch. Engr.

Tennessee—Nashville, Chattanooga & St. Louis R.R.—This company has had plans prepared for the construction of an extension of its line from Antwerp to Estill Springs, about eight miles. H. McDonald, Nashville, Tenn., is Ch. Engr.

Wisconsin—Cashton & Hillsboro R.R.—This company has applied to the State Railroad Commission for permission to construct an extension from Cashton to Richland Center, about 28 miles. M. M. Cash, Cashton, is Pres.

Hawaii—Lihue Plantation Co.—This company is preparing plans for the construction of a railroad on Kauai Island. Estimated cost, $250,000.

ELECTRIC RAILWAYS

Webster, Mass.—The Worcester & Webster St. Ry. Co. has applied to the City Council for a franchise to construct an electric railway in Webster. F. H. Dewey, Worcester, is Vice-Pres.

Depew, N. Y.—The Buffalo & Depew Ry. Co. will soon award contracts for the construction of a two-mile extension to its line. George A. Ricker, Buffalo, is Ch. Engr.

Collegeville, Penn.—The Perkiomen Traction Co. is making preliminary arrangements for the construction of an electric railway from Collegeville to Schwenkville.

Hazleton, Penn.—The Wilkes-Barre & Hazleton Ry. Co. contemplates an expenditure of $600,000 for double-tracking its entire system. C. B. Houck, Hazleton, is Vice-Pres., Gen. Mgr. and Pur. Agt.

McConnellsburg, Penn.—The McConnellsburg & Ft. Loudon Ry. Co. has been granted a charter to construct an electric railway from McConnellsburg to Ft. Loudon, about ten miles. The incorporators include: E. J. Post, Washington, D. C., and G. A. Harris, B. C. Lamberson, J. L. Patterson, McConnellsburg; H. A. Duffy and D. H. Patterson, Webster Mills. Noted Feb. 11.

Charleston, S. C.—The Charleston-Isle of Palms Traction Co. has been granted permission to construct an extension of its line across the Government Reservation on Sullivan Island. James Sottile, Charleston, is Pres.

St. Petersburg, Fla.—Preliminary arrangements are being made by the St. Petersburg & Gulf Ry. Co. for the extension of its line on 22nd St. to the ball park at Coffee Pot Bayou. W. M. Mosedale, St. Petersburg, is Ch. Engr.

Rayville, La.—The Rayville Progressive League is having surveys made for the construction of a 21-mile electric railway south from Rayville. Theodore J. Coenen is Pres. of the League.

Cleveland, Ohio—The City Council has granted a franchise to the Cleveland Ry. Co. to extend its double track line on Clark Ave. George L. Radcliffe, Cleveland, is Gen. Mgr.

Lafayette, Ind.—The Lafayette & Northwestern Ry. Co. will be ready to start work sometime in April on the construction of its proposed electric railway to connect Lafayette, Rensselaer, Hammond, Princeton, Round Grove and West Point, Ind., and Chicago, Ill. O. L. Brown is Gen. Mgr.

Benton Harbor, Mich.—Henry Deam and Charles Sutherland, Sister Lakes, Mich., are interested in the construction of an electric railway to connect Benton Harbor, Sister Lakes and Keeler.

Harrisburg, Ill.—The Southern Illinois & St. Louis Ry. Co. is planning to start work soon on the construction of an electric railway to connect Harrisburg, Belleville, Duquoin, Herrin, Johnson City and East St. Louis.

Lee Center, Ill.—The Lee County Central Electric Ry. Co. contemplates the extension of its lines north to Ashton, Rochelle or DeKalb and south to Princeton.

Peoria, Ill.—The Allen Engineering Co. has been retained by the Peoria & Chillicothe Electric Ry. Co. to make surveys for its proposed electric railway from Peoria to Chillicothe. Arthur C. Black and E. V. Mattice are interested. Noted Mar. 4.

Kalispell, Mont.—The construction of an electric railway from Kalispell, Mont., to Spokane, Wash., is under consideration. Amos L. Thompson, Libbey, Mont., is interested.

Arcadia, Calif.—The Humboldt Transit Co. is securing the right-of-way for the construction of an extension to its line to Arcadia. F. C. Morrison, Eureka, is Gen. Mgr. and Pur. Agt.

Meridian, Calif.—The Northern Electric Ry. Co. is preparing plans for the reconstruction of its line from Meridian to Colusa, which was recently damaged by floods. W. A. McGovern, Chico, is Gen. Mgr.

LIGHT, HEAT AND POWER

Waterbury, Conn.—Bids will be received by the Board of Education until 5 p.m., Mar. 13, for the heating and ventilating plant and the mechanical equipment for the Clark School on Scovill St. Louis A. Walsh, 51 Leavenworth St., is Arch. and R. D. Kimball & Co., Boston, Mass., is Engr.

†Kings Park, N. Y.—(Official)—Bids will be received until 2:30 p.m., Mar. 18, by the State Hospital Commission, Capitol, Albany, for heating, plumbing and electrical work in a new building for chronic patients at Kings Park State Hospital. Lewis F. Pilcher is State Arch. E. S. Elwood is Secy. of the State Hospital Comn.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 3 p.m., Mar. 15, by C. B. J. Snyder, Supt. of School Bldgs., Park Ave. and 59th St., for electrical work in Public School No. 5, Tillary, Bridge and Lawrence St., and Public School 158, Belmont Ave., Ashford and Warwick St., Borough of Brooklyn.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids were opened Feb. 24 by the Board of Trustees, Bellevue and Allied Hospitals, for electrical work, additional gas piping, etc., in the main building of the Harlem Hospital as follows: Lord Electric Co., $4880; A. J. McCullough, $4495; Frank Nebeling, $4401; E. J. Electric Co., $4625. Noted Jan. 21, Feb. 4 and 18.

Riverhead, N. Y.—The Riverhead Electric Light Co. contemplates the installation of one 19x20-in. Skinner universal engine directly connected to a 140-kw. two-phase 60-cycle 2300-volt generator. F. Carl Hallett is Mgr. and Supt.

†Butler, N. J.—The Borough Council has awarded the contract for the installation of a municipal electric-light plant to the WATSON-FLAGG ENGINEERING CO., 27 Thames St., New York, N. Y. The cost of the work will be about $50,000. Noted Feb. 4.

Brownsville, Penn.—Press reports state that the H. C. Frick Coke Co. is having surveys made with a view to securing options on power sites along the Monongahela River. It is understood that a power plant to supply energy to the 63 plants owned and operated by the H. C. Frick Coke Co. will be built.

Blackville, S. C.—(Official)—Bids will be received until Mar. 15 for improvements to the electric-light plant in Blackville. J. M. Farrell is Chn. of the Bd.

Pablo Beach, Fla.—See item under "Sewers."

Lake Charles, La.—The City Council has granted a franchise, so it is reported, to W. E. Barrett for the construction of a gas manufacturing plant and distributing system in Lake Charles. Andrew Cook is City Clk.

Holland, Mich.—The Board of Public Works is considering the construction of a new fireproof power house for the municipal electric-light plant to replace the present building on East Fifth St. The estimated cost is $25,000. H. Naverhuis is City Engr.

Ashland, Wis.—The Board of Supervisors of Ashland County has engaged Vaughn, Meyer & Sweet, 1007-1009 Majestic Bldg., Milwaukee, to prepare plans and award contracts for all electrical work and fixtures for the new $275,000 court house now in course of construction .

†Blackcreek, Wis.—The Village Board has awarded the contract for the installation of a municipal electric-light plant to the FOSS GAS ENGINE CO., Springfield, Ohio.

†Manitowoc, Wis.—The C. Reiss Coal Co. has awarded the contract for the construction of an electric power plant at its coal dock, Manitowoc, to the ALLIS-CHALMERS CO., Milwaukee. The unit includes a steam engine and a 450-kw. generator. The contract for a new coal-handling bridge and other alterations in the dock has been awarded to the MEAD-MORRISON MFG. CO., Boston, Mass. Noted Dec. 10.

Markesan, Wis.—The Markesan Electric Co., recently incorporated with a capital stock of $15,000, will, it is reported, equip an electric-light plant.

Poynette, Wis.—A franchise has been granted to the Poynette Electrical Co. to construct and operate an electric-light and power plant for commercial purposes. Water rights have been secured, and generating equipment will be installed and transmission lines built. Perry L. Speed is Pres. of the company.

Buffalo, Iowa—The citizens have voted in favor of issuing $10,000 in bonds to be used for the installation of a municipal electric-light plant.

Council Bluffs, Iowa—It is reported that the City Council is considering the installation of a municipal electric-light plant. E. E. Spetman is City Engr.

Schleswig, Iowa—At a recent election, the citizens voted in favor of issuing $16,000 in bonds, the proceeds of which will be used for the installation of a municipal electric-light plant. B. M. Ambresen is City Clk. Noted Feb. 4.

La Crosse, Kan.—R. M. Wilson, Sterling, Kan., has bought the municipal electric-light plant from the city, and has agreed to equip and operate a $6500 ice plant in connection with the lighting system.

Chadron, Neb.—Press reports state that the Chadron Ice & Creamery Co. is considering the construction of an electric-light plant and ice factory at a cost of about $60,000. C. P. Coffee is Pres.

Minto, N. D.—It is reported that plans are under consideration for the installation of an electric-light plant in Minto. Energy to operate the system will be secured from the municipal plant in Grafton.

Cumby, Tex.—It is reported that the Cumby Electric Light Co. will rebuild its power and light plant which was recently destroyed by fire.

†Galveston, Tex.—The Board of City Commissioners has awarded the contract for heating and plumbing equipment in the new city hall to the COMPTON PLUMBING CO., Galveston, at $16,965. Other bidders were: C. C. Hartwell Co., New Orleans, $16,487, and Kennison Bros., Dallas, and the Warren Co., Houston, $16,648. John D. Kelly is City Clk.

Roxton, Tex.—It is reported that the Texas Power & Light Co., Dallas, will install an electric-light plant in Roxton. F. R. Slater, Dallas, is Gen. Supt. Texas Power & Light Co.

Loveland, Colo.—At the election to be held Apr. 6 the citizens will vote on the question of issuing bonds to be used for the construction of a municipal electric-light plant. The estimated cost is $79,000.

Lewiston, Idaho—The Lewiston-Clarkston Transit Co. has been incorporated for the purpose of constructing and maintaining electric transmission lines from Lewiston to Orchard Tracts, thence to Asotin, Wash., through Clarkston, Wash. The company has a capital stock of $500,000. Among those interested are: A. G. Nortz, Pres., E. H. Nortz and Eugene Z. Cox. H. C. Hartung will have charge of the construction work.

Washtucna, Wash.—The Washtucna Electric Light & Power Co. plans, during the coming summer to build a concrete penstock and install a new water turbine. Robert E. Mulligan is Mgr., Supt. and Cont. Agt.

Long Beach, Calif.—The Long Beach Consolidated Gas Co. has applied for permission to issue $100,000 in bonds, the proceeds of which will be used for extensions and improvements to the plant.

BRIDGES

Northampton, Mass.—The Commissioners of Hampshire County have voted to repair the Connecticut River Bridge at a cost of about $50,000, and have engaged John R. Worcester & Co., 79 Milk St., Boston, to take charge of the work. Noted Dec. 18, 1913, Jan. 7 and Feb. 18, 1915.

West Groton, Mass.—(Official)—Bids will be received until Mar. 29 by the towns of Shirley and Groton for the construction of a bridge over the Squannacook River at West Groton. Burtis S. Brown, 88 Broad St., Boston, is Engr. in Charge.

New York, N. Y.—(Borough of Richmond)—(Official)—Bids will be received until 2 p.m., Mar. 18, by F. J. H. Kracke, Comr. of Bridges, Municipal Bldg., Borough of Manhattan, for additions and repairs to the south approach of the Fresh Kills Bridge over Richmond Creek, Borough of Richmond.

Far Hills, N. J.—It is reported that the Board of Chosen Freeholders of Somerset County, Somerville, has decided to build a reinforced-concrete bridge over the North Branch River between Bernards and Bedminster Townships. It will be 27 ft. wide with a 6-ft. walk.

Hightstown, N. J.—Press reports state that the Board of Chosen Freeholders of Mercer County, Trenton, has ordered the County Engineer to prepare plans for rebuilding the Main St. Bridge at Hightstown. Theodore Tobish, Trenton, is County Engr.

Mount Holly, N. J.—(Official)—The Board of Chosen Freeholders of Burlington County received bids for repairs to the Mullica River Bridge as follows: Kelley-McFeeley Co., Camden, $99,900; E. S. Bader, Atlantic City, $92,000; Bridgeton Construction Co., Bridgeton, $84,700; Atlantic Construction & Supply Co., Atlantic City, $93,000; Edward Fay & Son, Philadelphia, Penn., $74,812. The lowest bids received for the construction of a concrete bridge at Medford and for a concrete bridge at Bucks Cove were those of Rees & Taylor, Trenton, at $2699 and $1798 respectively. James Logan is County Engr.

Somerville, N. J.—The Board of Chosen Freeholders of Somerset County will, according to press reports, replace the Blackwells Mills Bridge between Hillsborough and Franklin Townships with a steel I-beam bridge. It will be about 103 ft. long with a 30-ft. roadway.

Somerville, N. J.—The Board of Chosen Freeholders has instructed the County Engineer to prepare plans for a concrete arch to be built over Peters' Brook on Cliff St. It will be a 60-ft. span with a 30-ft. roadway and two 10-ft. sidewalks.

Trenton, N. J.—(Official)—Bids will be received until 2:30 p.m., Mar. 23, by the Board of Chosen Freeholders of Mercer County for the construction of a 60-ft. reinforced-concrete bridge over Sanhican Creek at Lee Ave., Trenton. It will be 50 ft. wide, including two 10-ft. sidewalks. The estimated cost is $11,500. Theodore Tobish is County Engr. Noted July 2, Sept. 17 and Dec. 31, 1914.

Meadville, Penn.—(Official)—Bids will be received until Mar. 27 by the Supervisors of East Mead Township at the election house, East Mead Township, for the construction of a concrete bridge. Plans on file with the County Commissioners of Crawford County, Meadville.

Bowling Green, Va.—(Official)—Bids will be received until noon, Mar. 18, by the Clerk of the Circuit Court of Caroline County, for the construction of a 70-ft. steel bridge, concrete substructure, over the North Anna River between Caroline and Hanover Counties. The Childrey Co., Richmond, is Engr.-in-Charge.

Burdette, Va.—Bids will be received until Mar. 13 by the Clerk of the Circuit Court of Southampton County, Courtland, for the construction of a 55-ft. steel bridge near Burdette.

Courtland, Va.—Bids will be received until Mar. 13 by the Clerk of the Circuit Court of Southampton County, for the construction of a 125-ft. steel bridge near Scotts Siding. G. P. Coleman, Richmond, is State Highway Comr.

★**Lake Charles, La.**—(Official)—Bids will be received until 10 a.m., Apr. 6, by the Police Jury of Calcasieu Parish for the construction of a steel highway swing bridge over Black Bayou on Highway No. 4. E. C. House is Clk. of the Police Jury. For further information, see advertisement under "Contracts To Be Let."

New Orleans, La.—The New Orleans Ry. & Light Co. has entered into an agreement with the city to build a new foot bridge across the New Basin at West End just north of the present bridge. W. J. Hardee is City Engr. M. S. Sloan is Mgr. of the New Orleans Ry. Co. Noted Oct. 1.

Rogersville, Tenn.—(Official)—Bids will be received until Mar. 20 by the Bridge Committee of Hawkins County for the construction of a steel bridge, concrete masonry substructure, about 1600 ft. long, across the Holston River at a point in Hawkins County on the Virginia & Southwestern Ry. Albert Lyons is Chn. of the Bridge Com.

✚**Bowling Green, Ky.**—(Official)—The Fiscal Court of Warren County received the following bids for the superstructure of a three-span bridge, 289 ft. long and 18 ft. wide; VINCENNES BRIDGE CO., Vincennes, Ind., $6348 (awarded contract); East St. Louis Bridge Co., East St. Louis, Ill., $6522; Miller & Borcherding, St. Louis, Mo., $6525; Louisville Bridge Co., Louisville, $6662; Oregonia Bridge Co., Lebanon, Ohio, $6700; Central States Bridge Co., Indianapolis, Ind., $6975; Virginia Bridge & Iron Co., Roanoke, Va., $7170; Missouri Bridge Co., St. Louis, $7726; Meserve Bridge Co., Cincinnati, Ohio, $8557; W. T. Young Bridge Co., Nashville, Tenn., $8962. The contract for repairing the piers of the old bridge was awarded to MURPHY BROS., Bowling Green. M. H. Crump is County Rd. Engr. Noted Feb. 11.

Ashtabula, Ohio—It is reported that the Board of Commissioners of Ashtabula County, Jefferson, is considering the construction of a bridge over Ashtabula Creek between Ashtabula and Plymouth Townships.

Canton, Ohio—The Board of Commissioners of Stark County contemplates the construction of a bridge over East Creek at Eighth St., Canton. M. V. Crowl is a member of the Bd.

Cleveland, Ohio—(Official)—Bids will be received until 10 a.m., Mar. 20, by the Board of Commissioners of Cuyahoga County for bridge work on Green Rd. No. 1 and on Station Rd. E. G. Krause is Clk. of Comrs.

✚**Cleveland, Ohio**—It is reported that the contract for the construction of the steel superstructure, east and west sections, of the Clark Ave. Viaduct, has been awarded to the KING BRIDGE CO., Cleveland, at $487,860. Other bidders were: McClintic-Marshall Co., Pittsburgh, Penn., $513,240; American Bridge Co., New York, N. Y., $525,460; Strobel Steel Construction Co., Chicago, Ill., $584,680. Noted Feb. 4.

Hamilton, Ohio—(Official)—We are advised by Fred M. Hammerle, Engr. of Butler County, that new bids for the construction of the Woodsdale Bridge will be received about Apr. 17. It will be of concrete, six 100-ft. spans. The estimated cost is $85,000. The contract for this bridge was awarded a few months ago to the A. J. Yawger Co., Indianapolis, Ind., but a recent court decision declared the award invalid. W. W. Crawford is County Audr. Noted Feb. 25.

✚**Port Washington, Wis.**—The contract for the construction of a bridge at Grand Ave., Port Washington, has been awarded to JOSEPH UEBBING, Port Washington. The structure will be of concrete.

✚**Anamosa, Iowa**—(Official)—The Board of Supervisors of Jones County has awarded the contract for the construction of Bridge No. 96 to WILLIAM FLAHERTY, Anamosa, at $2139; the contracts for Bridges Nos. 107, 109 and 110 to V. L. HAUSSEN, Monticello, Iowa, at $3374 for the three. Noted Feb. 25.

Des Moines, Iowa—The Board of Supervisors of Polk County has ordered the County Engineer to prepare plans at once for 14 new bridges to replace those destroyed by the recent floods and ice jams. They will be built under the Supervision of the State Highway Commission.

New Hampton, Iowa—Bids will be received until 1:30 p.m., Apr. 7, by P. E. McGinn, Audr. of Chickasaw County, for the construction of five steel truss bridges and structural steel for 10 I-beam bridges.

Vinton, Iowa—The Board of Supervisors of Benton County has passed a resolution of necessity for the construction of a 60-ft. concrete arch with 24-ft. roadway, in Canton Township to replace the present Pearl St. Bridge over Bear Creek, Shellsburg. The estimated cost is $6000.

Minneapolis, Minn.—(Official)—Bids will be received until 11 a.m., Mar. 15, by the Board of Commissioners of Hennepin County for removing old Bridge No. 339 and constructing a new bridge in its place over County Ditch No. 10, Rd. No. 83. A. P. Erickson is County Audr.

✚**Elk Point, S. D.**—(Official)—The Commissioners of Union County have awarded the contract for the construction of county bridges during 1915 to the WESTERN BRIDGE & CONSTRUCTION CO., Omaha, Neb. Edward Holden is County Audr. Noted Jan. 7.

✚**Parker, S. D.**—(Official)—The Board of Commissioners of Turner County has awarded the contract for bridge construction during 1915 to the FEDERAL BRIDGE CO., Des Moines, Iowa. Noted Feb. 25.

Cavalier, N. D.—Bids will be received until Apr. 6 by W. W. Felson, Audr. of Pembina County, for constructing seven bridges.

St. Joseph, Mo.—It is reported that the Public Service Commission has ordered the construction of two viaducts; one to be on South Sixth St. and intersect the second one at Monterey St. The estimated cost of the two is $350,000. Charles Campbell is City Engr.

✚**Sapulpa, Okla.**—The Commissioners of Creek County have awarded the contract for the construction of a bridge over the Cimarron River to the BOARDMAN BRIDGE CO., Oklahoma, Okla., at about $27,000. Noted Sept. 17, 1914.

Seattle, Wash.—The City Council has instructed the Board of Public Works to advertise for bids for the construction of a $45,000 drawbridge over the Duwamish Waterway at Eighth Ave., S. A. L. Valentine is Chn. Bd. of Pub. Wks. Noted Nov. 12.

Spokane, Wash.—It is reported that bids will be received until Mar. 15 by the City Commissioners for the construction of a steel bridge over the Spokane River near the present Nine Mile Bridge. Morton Macartney is City Engr. Noted Jan. 14.

Tacoma, Wash.—The Board of Commissioners of Pierce County has decided to rebuild the Michel River Bridge on the Mt. Tacoma Rd. at an estimated cost of $35,000. It is stated that bids will be asked as soon as plans are completed. D. H. White is County Engr.

✚**Portland, Ore.**—The Columbia River Interstate Bridge Commission has awarded contracts for the construction of the bridge between Portland and Vancouver, Wash., to the following: steel for the main river span, U. S. STEEL PRODUCTS CO., 30 Church St., New York, N. Y., $417,316; erection of main span, PORTER BROS., Portland, $99,829; steel for slough span, NORTHWEST STEEL CO., Portland, $39,140; erection, PORTER BROS., $18,587; main river and slough substructures, PACIFIC BRIDGE CO., Portland, $319,415 and $119,759 respectively; embankment, TACOMA DREDGING CO., Tacoma, Wash., $158,214; floor on steel structures, WARREN CONSTRUCTION CO., Portland, $82,803. Noted Oct. 16, 1913, Jan. 15 and Nov. 26, 1914; Jan. 14, 1915.

Los Angeles, Calif.—It is reported that the Board of Supervisors of Los Angeles County will soon advertise for bids for the construction of two reinforced-concrete bridges, one over San Antonio Wash on Foothill Blvd., Road Dist. No. 112, and the other over Coyote Creek on Cypress Ave. Both bridges will be 60 ft. long and 25 ft. wide.

Los Angeles, Calif.—The City Council and the railway and street railway companies plan the construction of a $500,000 viaduct at East Seventh St. over the tracks on both sides of the Los Angeles River. Homer Hamlin is City Engr.

Fredericton, N. B.—(Official)—Bids will be received until noon, Mar. 31, by the Department of Public Works, for the construction of the steel superstructure of Merritt Bridge at Armstrong's Corner, Parish of Petersville, Queens County, N. B. It will be a riveted truss span 94 ft. long. John Morrissy is Minister of Pub. Wks.

Kingston, Ont.—(Official)—Bids will be received until 4 p.m., Mar. 18, by the Department of Public Works, Ottawa, for the construction of the superstructures of two steel through-truss bridges, and of one steel single-leaf Strauss trunnion bascule bridge over the Cataraqui River at Kingston. R. C. Desrochers, Ottawa, is Secy. Dept. of Pub. Wks.

WATER SUPPLY—IRRIGATION

★**Fitchburg, Mass.**—Bids were received by the Board of Water Commissioners for the construction of the Ashby reservoir as follows: E. W. Foley Construction Co., 71 Wall St., New York, N. Y., $99,105; International Construction Co., Boston, $104,994; Hassam Paving Co., Worcester, $107,136; De Onfro Bros., Leominster, $111,566; Perini Construction Co., Ashland, $113,858; Barrolly & Ingersoll, Rochester, N. Y., $115,464; Joseph Long & Co., Leominster, $117,438; Russo & Barker Construction Co., Hudson, N. Y., $119,139; R. F. Hudson, Melrose, $120,597; Doolittle & Garland, Ohio, $121,455; Coleman Bros., Boston, $125,710; Bruno & Petitti, Boston, $127,723; F. E. Bessman Co., Baltimore, Md., $134,290; F. A. Gammino, Providence, R. I., $137,463; Philip Cenendella, Milford, $137,489; R. H. Newell & Brock, Uxbridge, $139,336; C. W. Blakeslee & Co., New Haven, Conn., $153,884; H. P. Cummings Construction Co., Ware, $154,998; Frazer-Bruce Co., Montreal, Que., $156,117 and John Marsh, Southbridge, $178,961. Metcalf & Eddy, Boston, is Consult. Engr. Noted Jan. 21.

Lowell, Mass.—An appropriation of $225,000 for the construction of a purification plant for the water system is being sought from the State Legislature. Robert J. Thomas is Supt. of the Water Dept. Noted July 9, 1914.

Worcester, Mass.—The City Council has authorized an appropriation of $85,000 for the improvement and extension of the water system. F. H. McClure is City Engr.

✚**Meriden, Conn.**—The contract for constructing a pump house at Hough Mills has been awarded to LEWIS A. MILLER, 26 Church St., Meriden. W. S. Clarke is City Engr. Noted Jan. 14.

Buffalo, N. Y.—A bond issue of $569,382 has been approved by the Finance Committee of the Board of Aldermen. The proceeds will be used for the improvement of the water system. Daniel J. Sweeney is City Clk.

✚✚**Lyons, N. Y.**—Contracts have been awarded to the KENNEDY-HAMILTON CO., Utica, at $36,734 and $79,014 for constructing the water and sewer systems respectively. The contract for constructing the sewage disposal plant has been awarded to the LEARY-MORRISON CO., Rochester, at $37,492. Bids opened Mar. 3. Noted Feb. 11.

★**Middletown, N. Y.**—(Official)—The low bidder for laying 20-in. c.i. water mains was P. L. Braunworth, Montclair, N. J., at $9888. Bids opened Feb. 20. Noted Jan. 21.

Sidney, N. Y.—(Official)—The State Conservation Commission has approved plans for the construction of a municipal water system. The Commission also requires the installation of a filtration plant. Henry W. Taylor, 100 State St., Albany, is Engr. Noted July 30, 1914.

Watervliet, N. Y.—The Baxter Bill, which allows the city to issue $625,000 in bonds, the proceeds of which will be used for the construction of a new water system, has been reported to the House by the committee. Frank Heis is City Engr. Noted Nov. 5 and Dec. 24, 1914.

Boonton, N. J.—(Official)—Plans are being prepared by Charles A. Van Keuren, City Engr., Jersey City, and will be ready about Apr. 1 for the construction of a 6-ft. steel pipe line 12 miles long to carry water from Boonton to Jersey City.

Clinton, N. J.—Bids will be received until 2 p.m., Mar. 12, by the Board of Managers of the New Jersey State Hospital for drilling three wells for the water system. Scott Scammell is Secy.

✝Clinton, N. J.—(Official)—The contract has been awarded to the SUBURBAN ENGINEERING CO., New York, N. Y., at $7315, for making extensions to the water system at the New Jersey Reformatory for Women. Noted Feb. 25.

Ridgewood, N. J.—The Board of Public Utility Commissioners has ordered the Bergen Aqueduct Co. to make extensions to its system at Glen Rock.

Bellevue, Penn.—(Official)—The Ohio Valley Water Co. has retained Chester & Fleming, Engr., Pittsburgh, to prepare plans for the construction of a new 16-in. main to be constructed under the Ohio River from the pumping station on Neville Island to Bellevue.

Takoma Park, D. C.—The water system will be improved at an estimated cost of $18,500. Harry Stevens is Consult. Engr. Noted Jan. 14.

Grantsville, W. Va.—At an election held recently the citizens voted in favor of issuing $10,000 in bonds. The proceeds will be used for the construction of a water system.

Asheville, N. C.—Bids will be received until Mar. 22 by F. L. Conder, City Clk., for c.-i. pipe and specials for the water department.

Bradentown, Fla.—The city plans to enlarge the water system. A building will be constructed and boilers and pumps installed. The estimated cost is $8000. W. H. Tracy is Comr. of Pub. Wks.

Vivian, La.—Bids will be received until Mar. 16 for the purchase of $35,000 in bonds, the proceeds of which will be used for the construction of a water system. J. D. Houston is Town Clk. Noted Dec. 10.

Knoxville, Tenn.—A bond election will be held to vote on the question of issuing $500,000 in bonds. The proceeds will be used for the extension of the water mains, installing a pump at the river station, installing gate valves, hydrants and meters. J. B. McCalla is City Engr. Noted Aug. 20.

Nashville, Tenn.—The Board of Commissioners contemplates issuing $300,000 in bonds, the proceeds of which will be used for the installation of an engine at the pumping station with a daily capacity of 20,000,000 gal. W. W. Southgate is City Engr.

✝Hodgenville, Ky.—The contract has been awarded to J. W. and A. SNYDER, Taylorsville, at $14,300 for constructing a water system. Noted Sept. 24.

Belleville, Ohio—(Official)—Bids will be received in April for gas engine driven pumps, about five miles of c.-i. pipe and a storage reservoir for the proposed water system. Smith & Boulay, Toledo, is Engr.

Cleveland, Ohio—The Masters & Mullen Construction Co., at $38,905, was low bidder for constructing a coagulant house superstructure for the filtration plant, under Contract No. 5. Bids opened Feb. 24. Noted Feb. 11.

Columbus, Ohio—An appropriation of $100,000 has been made by the City Council, for the extension of the water system. J. O'Shaughnessy is Supt. of Water-Wks.

Coshocton, Ohio—Plans have been approved by the State Board of Health for the construction of a reservoir. Chester & Fleming, Pittsburgh, Penn., is Engr. Noted Jan. 7 and Feb. 18.

Dover, Ohio—Bonds for $13,400 will be issued the proceeds of which will be used for the enlargement of the water system. A 3,500,000-gal. pump will be installed. L. M. Williams is Mayor.

Mt. Blanchard, Ohio—According to press reports, bonds for $10,000 have been sold. The proceeds will be used for the construction of a water system. Noted Nov. 19.

Toledo, Ohio—All bids received for the construction of a water main under the Maumee River have been rejected. The work will be readvertised. Noted Feb. 18.

Toledo, Ohio—(Official)—Bids will be received until noon, Mar. 31, by A. W. Bordman, Dir. of Pub. Ser., for constructing a high-pressure fire service pumping station. Time extended from Mar. 18. The W. J. Sherman Co., Toledo, is Engr. Noted Feb. 25 and Mar. 4.

Saginaw, Mich.—An election will probably be held Mar. 15 to vote on the question of issuing bonds for $750,000. The proceeds will be used for the construction of a new water system. About $100,000 is to be used for the extension of the present water mains.

✝Schoolcraft, Mich.—(Official)—The contract for driving wells for the proposed water system has been awarded to ROBERT E. KERSEY, South Bend, Ind. Smith & Boulay, Toledo, Ohio, is Engr. Noted Feb. 25.

Berwyn, Ill.—Bids will be received until Mar. 16 by the Board of Local Improvements for constructing a c.-i. water main in 64th Ave. and in other streets. Arthur R. Wolfe, 39 South La Salle St., Chicago, is Engr.

✝East Peoria, Ill.—(Peoria post office)—The contract, according to press reports, has been awarded to the PUBLIC SERVICE CONSTRUCTION CO., Omaha, Neb., at $10,300, for construction of a water system, with the exception of laying the water mains. Noted Jan. 28.

Joliet, Ill.—According to press reports, bids were received for the construction of a 5,000,000-gal. reservoir as follows: H. L. Winslow Co., Chicago, at $19,600 (low bidder); Logan & Geers Construction Co., Elgin, $20,190; Foley Construction Co., $20,300; Newkirk & Powers Co., Joliet, $20,454, and the Embankment Co., $21,187.

Milwaukee, Wis.—Bids will soon be received, according to press reports, for the construction of a shore tunnel, about one mile long. H. P. Bohmann is Supt. of Water-Wks. Noted 5, 1914.

Two Rivers, Wis.—The Common Council has decided to construct an intake into Lake Michigan instead of drilling shore wells. E. Bruins, City Engr., has been directed to prepare plans for a c.-i. pipe intake main from 2750 to 4000 ft. long. Noted Feb. 11.

Wauwatosa, Wis.—(Official)—Bids will be received until 1 p.m., Mar. 13, by A. V. Brigham, City Clk., for drilling an artesian well to a depth of between 1300 and 1600 ft.

West Allis, Wis.—The Common Council has authorized the City Engineer to prepare plans for the extension of the water system. A centrifugal pump with a capacity of 2000 gal. per minute will be installed. Noted Dec. 17.

Yale, Iowa—Bids will be received until Mar. 15 by L. M. Swindler, Clk., for the construction of a water system.

Duluth, Minn.—The City Council contemplates spending about $90,000 for the improvement and extension of the water and light system during the year. John Wilson is City Engr.

✝Fairmont, Minn.—The contract for constructing 12,000 ft. of water mains has been awarded to J. T. REA, Tracy, at $10,000.

South Stillwater, Minn.—(Official)—All bids received Mar. 2 for making extensions to the water system have been rejected. Oscar Huhnke is Village Recdr. Noted Feb. 25.

★Winona, Minn.—(Official)—Bids will be received by the Board of Municipal Works, until 4 p.m., Apr. 15, for drilling four artesian wells. Alvord & Burdick, Hartford Bldg., Chicago, Ill., is Engr. For details see advertisement under "Contracts To Be Let."

Lawrence, Kan.—At a recent election the citizens rejected the proposition to purchase the water system. An election will be held to vote on the question of issuing $350,000 in bonds, the proceeds of which will be used for the construction of a municipal system. Noted Aug. 6, 1914.

Manhattan, Kan.—Bids will be received in May for the construction of a water system. The estimated cost is $72,000. Worley & Black, Kansas City, Mo., is Engr. Noted Jan. 14 and Feb. 18.

Pratt, Kan.—Bids will be received about Apr. 1 by the City Commissioners for laying water mains, driving eight 8-in. wells and for constructing a pumping station. The estimated cost is $20,000. M. P. Jones is City Clk. Noted Feb. 4.

Billings, Mont.—(Official)—Bids will be received until 2 p.m., Mar. 17, by L. E. Torrence, City Clk., for making improvements to the water system as follows: Six 1,000,000-gal. mechanical filters, a turbine pump and 100-hp. motor, a reinforced-concrete settling basin and making extensions to the distributing system. Burns & McDonnell, Scarritt Bldg., Kansas City, Mo., is Engr. Noted Jan. 14 and Feb. 11.

Fromberg, Mont.—An election will be held to vote on the question of issuing $20,000 in bonds, the proceeds will be used for the construction of a water system. B. C. Lillis, Billings, has completed the surveys. Noted Feb. 11.

Harlowton, Mont.—Bids will be received about Apr. 1 for the construction of a water system. Garharz-Jaqueth Engineering Co., Great Falls., is Engr. The estimated cost is $15,000. Noted Dec. 17, 1914 and Jan. 7.

★Lewistown, Mont.—(Official)—Bids will be received until 8 p.m., Mar. 29, by the City Clerk, for 100 tons of c.-i. pipe, 24 valves and eight hydrants. A. C. Birkland is City Engr.

Phillipsburg, Mont.—C. H. Green & Co., Spokane, Wash., has been engaged by the Council to prepare plans for the improvement of the water system. The estimated cost is $15,000. Noted Feb. 18.

Caruthersville, Mo.—(Official)—Bids will be received until Mar. 22 by J. M. McGinnis, City Clk., for driving a 10-in. well. Noted Feb. 25.

Chillicothe, Mo.—At a recent election the citizens voted in favor of issuing bonds for $135,000 for the purchase and improvement of the water system.

Edina, Mo.—Bids will be received about Apr. 15 for the construction of a water system. The estimated cost is $20,000. Tuttle & Pike, Kansas City, is Engr. Noted Dec. 3.

Benton, Ark.—See item under "Sewers."

Dardanelle, Ark.—Bids will be received until Mar. 15 for making extensions to the water system. H. D. Evins is Supt. of Water-Wks.

Gentry, Ark.—The city contemplates building a water system and an electric-light plant.

Springdale, Ark.—The construction of water and sewer systems is contemplated by the City Council. F. Reed is City Recdr.

Brenham, Tex.—A $15,000 bond issue has been approved by the State Attorney-General. The proceeds will be used for the improvement of the water system.

✝Denison, Tex.—The contract has been awarded to the CADDO CONSTRUCTION CO., Muskogee, Okla., at $10,893 for installing a filtration plant at the Randell reservoir.

Houston, Tex.—The city contemplates issuing $20,000 in bonds, the proceeds of which will be used for the construction of concrete settling tanks for the water-works. B. Campbell is Mayor.

Lott, Tex.—The Attorney-General's Department approved a bond issue for $5000, the proceeds of which will be used for the extension of the water system. Noted Feb. 25.

✝Magnolia Park, Tex.—(Houston post office)—The contract has been awarded to the HAMILTON BROS. CONSTRUCTION CO., at $85,900 for the construction of a water system. Noted Dec. 24, Feb. 4 and 18.

Temple, Tex.—Plans for the construction of a concrete dam and spillway over the Leon River have been adopted by the Water Commissioners. The estimated cost is $25,000. Noted Jan. 28.

Montrose, Colo.—(Official)—Bonds for $90,000 have been issued, the proceeds of which will be used for the improvement of the water system. P. W. Pinkerton is City Mgr. Noted Feb. 18.

Roswell, N. M.—The city plans to extend the water system.

Idaho Falls, Idaho—A special election will be held Mar. 17 to vote on the question of creating an irrigation district. The new district will be known as the Poplar Irrigation District. The County Clerk of Bingham County is in charge.

Draper, Utah—The Draper Irrigation Co. plans to build a pipe line from Big Willow to supply eight towns.

Ogden, Utah—An election will be held Mar. 27 to vote on the question of issuing $75,000 in bonds, the proceeds of which will be used for the construction of a water main between Cold Water cañon and the city's wells. Noted Feb. 11.

Salt Lake City, Utah—(Official)—Bids will be received until 10 a.m., Mar. 16, for laying water mains in various streets. Karl A. Scheid is City Recdr. Noted Dec. 31.

Taylorsville, Utah—(Sandy post office)—The citizens contemplate constructing a water system at an estimated cost of $10,000.

Tooele, Utah—Bonds for $64,000 were voted at a recent election. The proceeds will be used for the purchase and improvement of the water system, Tooele City Water Co.

Clifton, Ariz.—An appropriation of $8500 for artesian wells in Greenlee County has been approved by the House Committee of the Whole.

Kingman, Ariz.—An appropriation of $8500 has been made for drilling an artesian well in the Hualpai Valley.

St. Johns, Ariz.—An appropriation of $8500 for the construction of an artesian well in Apache County is contemplated.

Tombstone, Ariz.—An appropriation of $8500 for the construction of an artesian well in Cochise County has been made.

Winslow, Ariz.—An appropriation of $8500 for drilling artesian wells near Winslow has been approved by the House Committee of the Whole.

Bellingham, Wash.—The construction of a high-pressure reservoir with a capacity of 100,000,000-gal. is contemplated by the City Council. The estimated cost is $150,000.

Olympia, Wash.—The City Council has appointed W. J. Roberts, J. B. Blackwell and M. McQuinn to appraise the water system. Improvements, estimated to cost $100,000, are contemplated.

Fairview, Ore.—According to press reports a survey has been made for the construction of a water system. The estimated cost is $25,000.

Portland, Ore.—According to press reports, a pipe line 270 miles long will be constructed by Jason C. Moore and associates, New York, N. Y., from Summer and Albert Lakes in Lake County to within 30 miles of the Dalles. The estimated cost is $2,000,000.

Portland, Ore.—Bonds for $460,000 have been issued. The proceeds will be used for the construction of a dam at the Bull Run headworks and for constructing pipe lines.

✝Lodi, Calif.—The contract has been awarded to the PAYNE-BAILEY CO. for pipe and specials for the extension of the water system.

Long Beach, Calif.—Bids will soon be received by the Board of Public Works for 1300 tons of c.-i. pipe and fittings for the Water Department.

Modesto, Calif.—The City Council will construct a steel tank with a capacity of 100,000 gal. George Frietas is City Engr.

Port Hope, Ont.—Bids will be received until 5 p.m., Mar. 15, by R. Gray, Secy. Water Comn., for contracts as follows: Contract 3, low lift centrifugal pumps, motors, oil engine, piping; 4 venturi tubes, loss-head gages, elevator gages; 5 four slow sand filters, pump house, reservoir; 6 c.-i. pipe and specials; 7 valves and valve boxes. E. W. Thorold Co., Ltd., 2 Toronto St., Toronto, is Engr.

Toronto, Ont.—(Official)—Bids will be received until Mar. 16 by T. L. Church, Chn. Bd. of Control, for water tube boilers and mechanical stokers for the main pumping station.

Toronto, Ont.—According to press reports the construction of a duplicate water system at East Toronto is under consideration by the Board of Control.

Beverly, Alta.—The Town Council plans to construct water, sewer and electric-light systems. The estimated cost is $75.-000. H. E. Read is Engr.

Duncan Station, B. C.—The construction of a water system is under consideration by the City Commission. The water will be piped from Holt Creek, a distance of 61 miles.

SEWERS

✝Boston, Mass.—The contract has been awarded to M. De SISTO, at $3439 for sewerage work in Dunbar St., Bruce and Weld St., West Roxbury, by L. K. Rourke, Comr. of Pub. Wks. Bids opened Mar. 1. Noted Feb. 25.

✝Boston, Mass.—The contract for sewerage work in Saybrook St., Brighton District, has been awarded by L. K. Rourke, Comr. of Pub. Wks., to ANTHONY CEFALO, at $3468. Bids opened Mar. 2. Noted Feb. 25.

Lawrence, Mass.—Plans have been prepared for the construction of surface and sanitary sewers in Ward 5.

Lexington, Mass.—McClintock & Woodfall, Boston, has prepared plans for the construction of about eight miles of 8- to 20-in. sewers. The estimated cost is $100,000. George E. Briggs is Chn. of the Sewer Comn. Noted Feb. 25.

Brighton, N. Y.—Bids will be received until Mar. 18 by the Sewer Commissioners, District No. 1, for constructing a sewage disposal plant. William S. Lozier, Cutler Bldg., Rochester, in Engr.

✝Buffalo, N. Y.—The FAHNING - GAREY CONTRACTING CO. has been awarded the contract for constructing a sewer in Downing St. Francis G. Ward is Comr. of Pub. Wks.

Dunkirk, N. Y.—Plans have been prepared, according to press reports, for the construction of a sewer system and a sewage disposal plant. W. H. Skalton is City Engr. The estimated cost is $75,000.

★Lyons, N. Y.—See item under "Water Supply--Irrigation."

★Mt. Morris, N. Y.—(Official)—Bids were received Feb. 26 for (A) constructing nine miles of pipe sewers and (B) and a sewage disposal plant, as follows: Charles Bonn, Syracuse, (A) $58,850,; (B) $7936; F. S. & A. Sposato, Syracuse, (A) $51,553, (B) $6498; D. D. Dugan & Son, Olean, (A) $48,050; Tyne & Willey, Binghamton, (A) $47,757, (B) $7243; R. T. Ford Co., Rochester, (A) $47,475, (B) $6500; C. R. Lewis, (A) $46,595, (B) $6577; Burns Bros., Newcastle, Penn., (A) $44,500, (B) $5000; Leary & Morrison, Rochester, (A) $39,400, (B) $6200; McCarthy & Wall, Mt. Morris, (A) $38,942; John Petrossi Co., Rochester, (A) $37,014; Albert Gaffey, Syracuse, (A) $34,328, (B) $4927; and Desiderio & Sattler, Rochester, (A) $30,773, (B) $6537. Noted Feb. 18.

New York, N. Y.—(Borough of Bronx)—(Official)—Bids will be received until 10:30 a.m., Mar. 16, by Douglas Mathewson, Borough Pres., for constructing a sewer and appurtenances in Plimpton Ave. between Boschoel Ave. and Featherbed Lane.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 11 a.m., Mar. 17, by the Borough President for constructing sewers in various streets.

New York, N. Y.—(Borough of Brooklyn)—(Official)—J. F. Cogan Co., at $305,147, was low bidder for constructing the Tompkins Ave. sewer. Noted Feb. 25.

✝New York, N. Y.—(Borough of Brooklyn)—The contract has been awarded to NORTON & GORMAN, at $15,233, for removing the temporary sewer in Fourth Ave. Noted Mar. 4.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 11 a.m., Mar. 17, by L. H. Pounds, Borough President, for furnishing and installing the mechanical equipment of pumping station at Ave. U and Ocean Parkway, Section 2, sanitary sewers and storm water sewers in Ave. U from Ocean Parkway to Gravesend Ave. and force main in Ave. U from Ocean Parkway to East First St., together with an intermediate pumping station and appurtenances at the intersection of Ave. U and Ocean Parkway.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until 2 p.m., Mar. 18, by Marcus M. Marks, Borough Pres., for sewerage work in 38th St. and in 111th St.

New York, N. Y.—(Borough of Queens)—(Official)—Bids were received Feb. 26 for constructing sewers in various streets as follows: Nebraska, Liberty and Garden St., Paino Bros., $46,309; Rosenthal Engineering & Contracting Co., $48,306; Newman & Carey Co., $47,277; Joseph L. Sigretto & Co., $48,932; Green Contracting Co., $51,062; Charles A. Meyers Contracting Co., $51,525; H. J. Mullen Construction Co., Inc., $55,134; Lawrence Construction Co., Inc., $56,833; Murphy Bros., $60,777; Elmhurst Contracting Co., $62,436; Peace Bros., $66,928; King Bros., $69,026 and Hanover Contracting Co., $72,010. In Hancock St., Graham and Sanford Ave., Arthur Dumproff, $11,308; Green Construction Co., $13,006; Evergreen Construction Co., $13,937; Peace Bros., $13,974; T. Tepadula, $14,360; Burnside Construction Co., $14,421; Rosenthal Engineering & Contracting Co., $14,600; Briggs & McLaughlin, $15,539; King Bros., $16,662 and Clancy & Van Alst, $18,386. In Fulton St., Greenwood Ave., Chestnut St. and Scott St., H. Britton, $12,881; C. A. Meyersm, $13,921; Evergreen Construction Co., $14,322; J. L. Sigretto & Co., $14,568; Gillin Construction Co., $14,804; Paino Bros., $15,184; Rosenthal Engineering & Contracting Co., $15,360; H. J. Mullen, $15,364; James H. Holmes, $15,887; Peace Bros., $17,977; Stanhope Construction Co., $18,309; King Bros., $18,422; Lawrence Construction Co., $19,185; Elmhurst Construction Co., $19,897; and Hanover Construction Co., $22,082. Noted Feb. 18.

Niagara Falls, N. Y.—An appropriation of $196,000 has been approved by the Board of Public Works, for the construction of sewers during the year. F. S. Parkhurst is City Engr.

Haddonfield, N. J.—Press reports state that a sewer, costing $17,000, will be constructed in Kings Highway.

Irvington, N. J.—The Board of Commissioners contemplates constructing storm water sewers in Ellis Ave., Alpine St., Madison Ave. and 21st St.

Newark, N. J.—Bonds for $350,000 have been sold, the proceeds of which will be used for the extension of the sewer system. Morris R. Sherrard is City Engr.

Oaklyn, N. J.—Bonds for $40,000 have been voted by the citizens. The proceeds will be used for the installation of a sewer system. Remington & Vosbury, Camden, is Engr. Noted Dec. 3.

Pitman, N. J.—Remington & Vosbury, Camden, is preparing plans for the construction of a sewer system and sewage disposal plant.

Roselle, N. J.—Plans are being prepared by Jacob L. Bauer, Borough Engr., for the construction of a lateral sewer in Chandler Ave. and for a joint sewer to take care of drainage of portions of Linden Township and Roselle.

Seaside Park, N. J.—Plans, prepared by Remington & Vosbury, Camden, for the construction of a sewer system and sewage disposal plant, have been submitted to the State Board of Health, Trenton.

✝Philadelphia, Penn.—(Official)—Bids were received Mar. 1 for constructing sewers under Contract No. 12 as follows: JOSEPH PERNA, 334 North 65th St., Philadelphia, at $156,000 (awarded contract); Robert Lombardi, Philadelphia, $164,700; John McMahamy, Holmesburg, Philadelphia, $241,000; Peoples Bros., Philadelphia, $205,454; Emilio Pascuzzi, Philadelphia, $252,103; Frank Mark Contracting Co., Philadelphia, $213,208 and Keystone State Construction Co., Philadelphia, $156,500. Street car traffic is required to be maintained.

Parkersburg, W. Va.—Bids will be received until Mar. 25 by the City Commissioners for the purchase of $200,000 in bonds, the proceeds of which will be used for the construction of sewers and paving. W. H. Smith is Chn. Noted Mar. 4.

Charlotte, N. C.—(Official)—S. H. Lea, City Engr., is making surveys for the construction of a sewer to be known as the east trunk outfall.

Atlanta, Ga.—According to press reports plans are being prepared by the Street Committee of the Council for the construction of sewers. The estimated cost is $359,000. R. M. Clayton is City Engr.

Macon, Ga.—Bids will be received until Mar. 16 by D. S. Jones, City Clk., for constructing sewers in the Tybes District and for the construction of a septic tank.

✚Clearwater, Fla.—Contracts have been awarded for constructing sanitary sewers to R. L. DAVIS, Tampa, at $15,133 and for storm water sewers to the SEMINOLE CONTRACTING CO., Sanford, at $4945. Noted Feb. 11.

Pablo Beach, Fla.—The J. B. McCrary Co., Atlanta, Ga., has been retained, according to press reports, to prepare plans for the construction of a sewer system and an electric-light plant. The estimated cost is $35,000. Noted Oct. 1.

St. Augustine, Fla.—The construction of a sewer system is under consideration.

Columbus, Ohio—The City Council has passed an ordinance appropriating $275,000 for enlarging the sewerage-treatment works.

Coshocton, Ohio—Chester & Fleming, Engr., Pittsburgh, Penn., has prepared plans and specifications for a sewage-disposal plant, intercepting sewers and additions to the sanitary sewer system. The estimated cost is $86,000. Noted Dec. 24.

Hamilton, Ohio—The City Council Feb. 17 voted a bond issue of $10,000, the proceeds to be used in defraying the cost of constructing a storm sewer.

Grand Rapids, Mich.—William C. Hoad, University of Michigan, is preparing plans for a sewage-disposal plant for Grand Rapids.

Marquette, Mich.—The Escanaba Sewer Committee has been authorized to prepare a resolution submitting to the citizens at the spring election a proposition to issue bonds for the construction of a trunk sewer. Plans and specifications have been prepared.

Kenosha, Wis.—The City Council has authorized B. C. Brennan, City Engr., to prepare plans for the construction of sewers in the territory recently annexed by the city.

★✚Milwaukee, Wis.—(Official)—The following bids were received Feb. 24 for the construction of intercepting sewers on both sides of the Milwaukee River, Contracts 9 and 10: JONES & ERBECK, Pittsburgh, Penn., $288,098 (awarded contract), $193,837; Joseph Hanreddy, Chicago, Ill., $323,953, $218,076; Oscar Daniels Co., Chicago, Ill., $403,518, $264,788; F. K. Makielski, Milwaukee, $532,824, $276,987. Noted Jan. 28.

✚Audubon, Iowa—Contracts for the construction of lateral and outlet sewers have been awarded to FRED WYAT, Council Bluffs, at $25,220, and WARD & WEIGHTON, Sioux City, at $10,992, respectively.

Cedar Rapids, Iowa—Bids will be received until Mar. 19 by the City Council for the construction of storm water sewers in the following streets: Sixth Ave., 17th to 18th St.; 18th St., Sixth to Eighth Ave.; Eight Ave., 18th to 19th St.; 19th St., Eighth Ave. to Mt. Vernon Rd.

Leon, Iowa—(Official)—Bids will be received until Mar. 18 by S. G. Mitchell, City Clk., for the following sewer work: 11,047 ft. 6-in., 31,158 ft. 8-in., 9839 ft. 10-in. and 2018 ft. 12-in. vitrified clay pipe; 84 ft. 8-in., 684 ft. 10-in. and 72 ft. 12-in. c.i. pipe; 178 ft. piers for iron pipe; 117 manholes and 22 drop manholes; Imhoff disposal plant and filter beds. M. G. Hall, Centerville, is Engr.

Tripoli, Iowa—Bids will be received about Apr. 1 for the construction of a sewer system to cost about $35,000. M. Tschirgi & Son prepared the plans. H. W. Bockhaus is City Clk.

Red Wing, Minn.—The city contemplates the construction of a sewer system in East Red Wing. The plans call for a 6-ft. sewer at Green St. and a 30-ft. sewer at Bluff St. The estimated cost is $5825. A. E. Rhame is City Engr.

St. Paul, Minn.—Plans are being prepared for an 8-in. trunk sewer to extend over 15 miles of territory. It will be known as the Como-Langford system. The North Central Commercial Club is studying means of financing the project.

✚Ravenna, Neb.—The contract for the construction of 30,000 lin.ft. of main and lateral sewers has been awarded to the ARTHUR A. DOBSON CO., First National Bank Bldg., Lincoln.

Minot, N. D.—(Official)—E. J. Thomas, City Engr., advises us that the city plans to construct a sewage-disposal plant.

Helena, Mont.—Plans and specifications have been prepared for the installation of sanitary sewers in Grand Ave. and north of the Northern Pacific depot. Estimated cost, $15,000. Noted Aug. 20.

Benton, Ark.—The City Council has adopted the plans and specifications submitted for the construction of a sewer system and water-works. An election will be held soon to vote on the proposition. The estimated cost is $100,000. J. B. McCrary Co., Atlanta, Ga., prepared the plans. Noted Jan. 15.

Italy, Tex.—The city has issued bonds for $17,000 for the construction of sewers.

✚Pueblo, Colo.—The contract for the construction of sewers in the Mineral Palace District has been awarded to the ANDERSON-HAMILL CONSTRUCTION CO., at $137,236. The contract calls for brick and concrete sewer construction, paving, curbing and guttering. Noted Dec. 31.

Salt Lake City, Utah—The City Commission plans to construct sewers and extensions this year costing $300,000. The following program has been submitted by the City Engineer: Main trunk sewer, 1800 ft., $225,000; discharge outlet, $50,000; city's portion of sewer extension No. 326, $25,000. Sylvester Q. Cannon is City Engr.

Seattle, Wash.—The Board of Public Works has approved plans and specifications for the construction of sewers in Lakeside Ave. and other streets. The following work will be done: Laying 1100 ft. 8-in. pipe, 1110 ft. 10-in. pipe, 800 ft. 12- and 15-in. pipe, construction of 81 brick manholes, three flush tanks and 36 catchbasins. Noted Aug. 13.

Huntington Beach, Calif.—Bids will be received until 7:30 p.m., Mar. 29, for constructing the outfall section of the sewer system and a septic tank. The work includes: 1200 lin.ft. 12-in. c.-i. pipe, flexible joint, 1000 ft. to be laid on ocean bed; 800 ft. 16- to 24-in. vitrified sanitary sewer pipe; septic tank, 12x20x40 ft.

✚Long Beach, Calif.—The contract for constructing sewers in the harbor industrial district has been awarded to S. M. KERNS, Long Beach, at $23,000.

Ocean Beach, Calif.—Charles H. Julian's bid of $67,000 has been rejected by the City Council for completing the Ocean Beach sewer system. The City Clerk has been directed to readvertise the work. F. M. Lockwood is Sewer Engr. Noted Mar. 4.

Montreal, Que.—The City Council Feb. 15 voted $797,400 to be expended in constructing the proposed sewerage system. The plans have not been completed yet.

STREETS AND ROADS

Augusta, Maine—Plans are being prepared by the State Highway Commission for State road work for 1915. Bids will be received about Apr. 1. Irwin W. Barbour, Augusta, is State Highway Engr.

Boston, Mass.—The Board of Public Works plans an expenditure of $200,000 for constructing sidewalks.

✚Boston, Mass.—Contracts have been awarded for State Highway work in Charlton to T. TOOMEY, Webster, at $8414, and in Swansea to L. H. BRISTOL, Bristol, R. I., at $10,100.

Meriden, Conn.—Bids will be received until Mar. 23 by the Board of Public Works for paving State St. with wood block and vitrified brick. W. S. Clark is Supt. Pub. Wks.

New Haven, Conn.—Bids will be received until Mar. 15 by F. L. Ford, City Engr., for constructing new concrete sidewalks where necessary.

✚Buffalo, N. Y.—The contract for paving Bogardus, Ludington and Rano St. with asphalt has been awarded to HENRY P. BURGARD CO., 1968 Fillmore Ave., at $53,275.

Buffalo, N. Y.—The Common Council has voted to pave a number of streets with stone.

Endicott, N. Y.—Bonds for $20,000 have been sold, the proceeds of which will be used for paving Washington Ave.

Geneva, N. Y.—Bids have been received by the Board of Public Works for paving Castle St. with brick as follows: Robert W. Henson, Geneva, $72,328; Phelan & Sullivan, Utica, $79,149; Lake Shore Construction Co., Dunkirk, $79,466.

New York, N. Y.—(Borough of Bronx)—(Official)—Bids will be received until 10:30 a.m., Mar. 16, by Douglas Mathewson, Borough Pres., for improving Holland Ave. from Gun Hill Rd. to East 215th St., Overing St. from Westchester to Walker Ave., Sedgwick Ave. from Perot to Independence St.; also for paving Zerega Ave. from St. Raymond to Castle Hill Ave.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until 2 p.m., Mar. 18, by Marcus M. Marks, Borough Pres., for improving Second Ave. from 15th to 17th St. in front of Stuyvesant Park.

New York, N. Y.—(Borough of Manhattan)—The lowest bid received Feb. 24 by R. A. C. Smith, Comr. of Docks and Ferries, for improving Marginal St. and piers of the North, East and Harlem Rivers, was that of the Sicilian Asphalt Paving Co., 41 Park Row. Noted Feb. 18.

Avon-by-the-Sea, N. J.—Bids will be received until 7:30 p.m., Mar. 15, by the Town Council for grading and gravelling Sylvania and Woodland Ave. J. H. Emlen, Main St., Avon, is Engr.

Bloomfield, N. J.—Bids will be received until Mar. 15 by Raymond F. Davis, Town Clk., for oiling streets within the limits of Bloomfield. Approximately 70,000 gal. will be used.

★Bloomsbury, N. J.—(Official)—Bids will be received until 2 p.m., Mar. 31, by the Board of Chosen Freeholders, at the Courthouse, Belvidere, for constructing 2.91 miles of waterbound macadam on the Bloomsbury-Still Valley Rd. J. R. Thatcher is Dir. of Bd. of Freeholders. For particulars see advertisement under "Contracts to Be Let."

★Buttzville, N. J.—(Official)—Bids will be received until 11:30 a.m., Mar. 31, by the Board of Chosen Freeholders, at the Courthouse, Belvidere, for constructing 5.755 miles of waterbound macadam on the Buttzville-Denville Rd. For particulars see advertisement under "Contracts to Be Let." Noted Feb. 4.

Deal, N. J.—The Board of Chosen Freeholders of Monmouth County, Freehold, received bids Mar. 3 for paving the wings and constructing gutters on a mile of road in Norwood Ave., Deal, as follows: W. C. McGovern, Trenton, $23,927; Schreffler, Burns Co., Newark, $24,664; F. P. Byram, Red Bank, $24,768; C. E. Burd, Red Bank, $26,025; C. H. Winan Co., Elizabeth, $26,354; Schneider, Snell & Co., Philadelphia, $27,362; J. L. Le Compt, Lakewood, $27,771; J. F. Shanley Co., Philadelphia, $28,138; C. A. Reid, Trenton, $28,554; J. H. Hogan, Eatontown, $28,297.

Flemington, N. J.—The Board of Freeholders of Hunterdon County has voted to improve the Clinton-Lebanon macadam road. The Board is also considering the macadamizing of the road from Huffman's to the Morris County line, near Califon.

Hackensack, N. J.—(Official)—The Board of Chosen Freeholders of Bergen County will construct about 37,790 sq.yd. of pavement on 4-in. macadam base. The estimated cost is $180,000.

Jersey City, N. J.—Press reports state that the Board of Chosen Freeholders of Hudson County plans to improve Passaic Ave.

†Manasquan, N. J.—The Board of Chosen Freeholders of Monmouth County has awarded the contract to RICHARD HAFEMAN, Freehold, N. J., for 4000 ft. of new ocean boulevard at Manasquan.

★Mt. Holly, N. J.—(Official)—Bids were received Mar. 1 by the Board of Chosen Freeholders of Burlington County for constructing stone roads in Burlington County as follows: Medford to Ballanger's Mills Rd., Berk & Bonham, Plainfield, $8587; Conrad Sebolt, New Brunswick, $8914. Burlington to Bowne's Corner Rd., Paul J. Snyder, Philadelphia, $10,009; T. J. Barrett, Roebling, $10,126. Columbus to Bordentown Rd., Paul J. Snyder, Philadelphia, $18,298; J. L. LeCompt, Lakewood, $20,519; Conrad Sebolt, New Brunswick, $20,519. Bordentown to Crosswicks Creek Rd., Paul J. Snyder, Philadelphia, $7166; Conrad Sebolt, New Brunswick, $8207. Moorestown to Masonville Rd., Paul J. Snyder, Philadelphia, $14,068; J. F. Shanley, Philadelphia. $15,664. Medford to Coates Corner Rd., Paul J. Snyder, Philadelphia, $11,867; Berk & Bonham, Plainfield, $12,911. Noted Feb. 18.

Paterson, N. J.—Garwood Ferguson, County Engr., Paterson, is preparing plans for improving Hamburg Turnpike. Bids will be asked in the spring.

†★Roselle Park, N. J.—(Elizabeth post office)—(Official)—A contract for constructing concrete pavements and appurtenances has been awarded to C. H. WINANS & CO., Elizabeth, N. J., at $30,793. Other bids were: John Dorer, Irvington, $32,314; T. Foster Callahan, Elizabeth, $32,281; Edward L. Faughan, Elizabeth, $32,928. Weldon Contracting Co., Elizabeth, $33,370; Schneider Steele Co., New Brunswick, $33,873. Noted Feb. 18.

Somerville, N. J.—Bids will be received until Mar. 25 by the Board of Chosen Freeholders of Somerset County for rebuilding the road from Larger Cross Roads, Bedminster Township to the Hunterdon county line. This road is about three miles long and the work will be done by State aid.

Trenton, N. J.—The Board of City Commissioners is considering paving Lamberton St. from Market to Shepherd St.

Altoona, Penn.—The contract will soon be awarded by the City Council for 40,000 sq.yd. of vitrified brick pavement with concrete base.

Bethlehem, Penn.—(Official)—Bids will be received until Mar. 19 by George F. P. Young, Controller of Northampton County, Easton, Penn., for paving the Broad St. inter-county bridge with vitrified brick.

Ebensburg, Penn.—Curry & Campbell, Engr., is preparing plans for constructing a road between South Fork and Franklin. The estimated cost is $38,000.

Monaca, Penn.—Plans have been prepared by Michael Baker, Borough Engr., for paving portions of Fifth, Sixth, Eighth, Tenth, 11th, 12th, 13th, 15th, 16th and Virginia St. The estimated cost is $25,000.

Pittsburgh, Penn.—Press reports state that the City Council plans to reconstruct West Liberty Ave., at an estimated cost of $380,000. Work will be started some time this month.

Reading, Penn.—Bids will be received some time in April by Charles Marks, City Clk., for paving Perkimen Ave. with wood block. The estimated cost is $50,000. E. B. Ulrich is City Engr.

Washington, Penn.—Press reports state that the Board of Washington County Commissioners has voted in favor of issuing $120,000 in bonds for improving roads.

Frederick, Md.—The Commissioners of Frederick County have voted to construct a state road from Brunswick to Petersville. The approximate cost is $39,750.

Hagerstown, Md.—The Commissioners of Washington County have voted in favor of constructing about 15 miles of road in Washington County by State aid.

Washington, D. C.—See item under Federal Government Work headed "Grading."

Pulaski, Va.—An election will be held Apr. 6 to vote on the question of issuing $80,000 in bonds for permanent road building in Newbern Magisterial District.

★Charleston, W. Va.—(Official)—Bids will be received until 10 a.m., Mar. 24, by the Board of Affairs for curbing and paving Charleston, Florida, Jackson, Beauregard, Elizabeth, McClung, Kentucky, Quarrier and Jefferson St. and Park, Central, Fourth, Ruffner and California Ave. G. S. Brown, Lowenstein Bldg., is City Engr.

Moundsville, W. Va.—The Marshall County Court has decided to pave the Reillyhill Rd. through Sherrard. T. J. Bartrug is County Rd. Engr.

†Black Mountain, N. C.—A contract for constructing concrete streets and sidewalks has been awarded to P. S. MINERS, Spartansburg, S. C.

Charlotte, N. C.—(Official)—Work will soon be started on the paving of North Brevard St. from 13th St. to the city limits. The work consists of 9000 lin.ft. of macadam.

Lumberton, N. C.—Bonds for $35,000 have been sold, the proceeds of which will be used for improving streets.

Atlanta, Ga.—The Board of Public Works plans an expenditure of $328,000 for street improvements. R. M. Clayton is Chn. of Construction.

Eustis, Fla.—At an election held Feb. 2 the question of issuing $35,000 in bonds for paving and constructing storm sewers was defeated. Noted Jan. 21.

†Tarpon Springs, Fla.—A contract for constructing 10,000 sq.yd. of asphalt pavement has been awarded to R. L. DAVIS, 410½ Franklin St., Tampa.

Evergreen, Ala.—The Commissioners of Conecuh County have issued $50,000 in bonds for improving roads.

†Clarksdale, Miss.—(Official)—Bids were received Mar. 3 by the Commissioners of Coahoma County for constructing 3½ miles of gravel road, 16 ft. wide, as follows: C. B. Cox, Midnight, Miss., $8061; Roach & Stansell, Memphis, Tenn., $13,642; Worthington Construction Co., Mobile, Ala., $11,068; Bennet & Scammerhorn, Helm, Miss., $9003; Owens Construction Co., Vicksburgh, Miss., $9251; Larkin & Co., Memphis, Tenn., $9409; Provine, Jackson & Morrison, Greenwood, Miss., $7015; Turner & Thomas, Memphis, Tenn., $8818; P. C. Powers & Son, Memphis, Tenn., $7396; S. R. Hughes & Co., Vicksburg, Miss., $9428; Smith Bros., Sunnyside, Ark., $7743; F. D. Harvey & Co., Memphis, Tenn., $6885; S. A. GANO, Jackson, Miss., $5965 (awarded contract). Noted Feb. 18.

Columbus, Miss.—Press reports state that the Commissioners of Lowndes County have approved the plans of O. Hauser, Aberdeen, for constructing roads in Good Roads District No. 2.

†Jackson, Miss.—The contract for resurfacing Capitol St. with brick has been awarded to F. G. PROUDFOOT, Chicago, instead of to the Barber Asphalt Co., Philadelphia, as erroneously noted in the issue of Jan. 14.

†La Fayette, La.—A contract for constructing 16 miles of gravel roads has been awarded to the WORTHINGTON CONSTRUCTION CO., Brookhaven, Miss.

†New Orleans, La.—The contract for repaving Charles St. from Esplanade Ave. to Frenchman St. has been awarded to M. J. FLYNN.

Shreveport, La.—Press reports state that the City Commission plans an expenditure of $20,000 for paving.

Centerville, Tenn.—An election will be held Mar. 27 to vote on the question of issuing $200,000 in bonds for constructing roads in Centerville District.

Jellico, Tenn.—Bonds for $150,000 were sold Mar. 2, the proceeds of which will be used for constructing and improving roads. Noted Feb. 11.

Brooksville, Ky.—The citizens of Bracken County contemplate voting on the question of issuing $40,000 in bonds to construct roads.

Louisville, Ky.—The Henry Bickel Co., Louisville, at $7500 was low bidder for paving Green St. from First to Floyd St. with vitrified blocks.

Munfordville, Ky.—The Hart County Fiscal Court has appropriated $12,000 for constructing a pike from the Hardin County line along Lincoln and Jackson Way.

†Owensboro, Ky.—A contract for bitulithic pavement has been awarded to the SOUTHERN BITULITHIC CO., Nashville, Tenn., at $34,440.

Sandy Hook, Ky.—The Commissioners of Elliott County contemplate holding an election for the purpose of voting on bonds to construct roads.

Smithland, Ky.—Livingston County has appropriated $12,000 for constructing roads.

Wickliffe, Ky.—At a recent election the citizens of Ballard County voted in favor of issuing $30,000 in bonds for constructing roads. Noted Feb. 4.

Chillicothe, Ohio—The City Council contemplates paving Polk St. with tarvia.

Cincinnati, Ohio—(Official)—Bids will be received until noon, Mar. 15, by Philip Fosdick, Dir. of Pub. Ser., for improving Orland Ave. from Harrison Ave. to its southern terminus.

Columbus, Ohio—The City Council contemplates constructing concrete sidewalks on Champion and Ohio Ave. from Livingston to Schiller Ave.

Elyria, Ohio—(Official)—Bids will be received until noon, Mar. 15, by M. M. Wilcox, Dir. of Pub. Ser., for street work during 1915.

Lorain, Ohio—Press reports state that the City Council plans to pave West Erie St.

†Ottawa, Ohio—(Official)—Bids were received Feb. 24, and contracts awarded for the construction of the stone road improvements in Putnam County as follows: C. H. Donaldson Junction County Rd. to J. B. BLOSSER, Cloverdale, Ohio, $40,364; T. J. Winner Junction County Rd. to J. S. BLOSSER, Cloverdale, Ohio, $13,665; Tarley Billingsley Rd. to O. L. SMITH, Leipsic, Ohio, $41,967; John Hixon Rd. to WESTRICK & LINE, Holgate, Ohio, $20,629; William Kerns Rd. to SCHOEMAKER & SON, Pandora, Ohio, $20,123; C. C. Schafer Rd. to R. C. ROACH, Waterville, Ohio, $1405; M. M. McDougle Rd. to W. H. & H. A. SONDER, Fostoria, Ohio, $10,331; J. S. Bleeks Rd. to J. W. BOWERSOCK, Ft. Jennings, Ohio, $4179; J. H. Hohenbrink Rd. to IRA ACTON, Vaughnsville, Ohio, $30,662; J. H. Hohenbrink South Branch to IRA ACTON, Vaughnsville, Ohio, $2624; J. H. Hohenbrink North Branch to IRA ACTON, Vaughnsville, Ohio, $2319; M. Williams Rd. to WESTERICK & LINE, Holgate, Ohio, $20,916; Charles Conkright Rd. to FLOYD WELLS, Continental, Ohio, $13,850; H. H. Montooth Rd. to C. S. WITHMAN, Deshler, Ohio, $22,591; H. H. Montooth Rd. to C. S. WITHMAN, Deshler, Ohio, $4387. Noted Feb. 18.

†Painesville, Ohio—The contract for paving Liberty St. has been awarded to GOULD & MAYBACH, Collinwood, Ohio, at $34,250.

Sandusky, Ohio—Bonds for $30,000 have been sold, the proceeds of which will be used for improving roads in Berlin Township.

Toledo, Ohio—(Official)—Bids will be received until 10 a.m., Mar. 30, by the Board of Commissioners of Lucas County for the material used in the repair and improvement of county roads.

Wellsville, Ohio—The City Council plans to pave 17th St.

Youngstown, Ohio—Bids will be received until Mar. 15 by Frank Agnew, Secy. of the Bd. of Comrs. of Rd. District No. 1, for constructing 8500 lin.ft. of roads in Boardman Township.

†Zanesville, Ohio—(Official)—The contract for improving Adamsville Rd. has been awarded to ALBERT ADAMS & SON, Zanesville, Ohio, at $4193. Other bids were: A. Emery & Son,

$4724; Muskingum Contracting Co., $4336; W. R. Bolin, $4800. Noted Feb. 18.

Boonville, Ind.—(Official)—Bids will be received until 10 a.m., Apr. 6, by the Commissioners of Warrick County for constructing a road in Greer Township. G. H. Bass is County Audr.

Broad Ripple, Ind.—(Official)—Bids will be received until 7:30 p.m., Mar. 22, by the Board of Trustees for constructing concrete sidewalks.

✚Delphi, Ind.—A contract for constructing a gravel road in Washington Township has been awarded to CHARLES MINNIX, Flora, Ind., at $13,250.

✚Kentland, Ind.—A contract for constructing a macadam road in Jackson Township has been awarded to the LEHIGH STONE CO., Kankakee, Ill., at $7828.

✚Monticello, Ind.—A contract for constructing the West Point Township Rd. has been awarded to SPENCER & MOORE, Wolcott, Ind., at $11,345.

✚Nappanee, Ind.—A contract for street paving has been awarded to the CONCRETE CONSTRUCTION CO., Nappanee, Ind., at $20,000.

Newport, Ind.—(Official)—Bids will be received until 10 a.m., Apr. 5, by the Commissioners of Vermillion County, for constructing a gravel road in Highland Township. Roy Slater is Audr.

✚Mt. Vernon, Ind.—Contracts for constructing two gravel roads in Posey County have been awarded to the MT. VERNON CONSTRUCTION CO., at $5853 and $6850 respectively.

✚Salem, Ind.—A contract for constructing the Washington and Jefferson Township Roads has been awarded to FRED SIMPSON, Salem, Ind., at $4198. Noted Feb. 11.

✚Flint, Mich.—(Official)—The contract for constructing an asphalt plant has been awarded to HETHERINGTON & BERNER, Indianapolis, Ind., at $9245. Noted Feb. 18.

Marshall, Mich.—(Official)—Bids will be received until noon, Mar. 15, by the Commissioners of Calhoun County, for constructing roads in several townships.

Rushville, Ill.—The Town Council contemplates an expenditure of $70,000 for paving streets during 1915.

✚Des Moines, Iowa—The contract for paving Third St. from Boston to Euclid Ave. has been awarded to the DES MOINES ASPHALT PAVING CO.

St. Paul, Minn.—The City Council ordered Robert St. from Sixth St. to Central Ave. to be paved and curbed.

Holton, Kan.—(Official)—Bids were received Feb. 26 for paving (a) vitrified brick on 5-in. concrete base (b) vitrified fiber on 5-in. concrete base (c) asphaltic on 5-in. concrete base as follows: James Stanton, Leavenworth, Kan., (a) $31,981, (b) $29,391, (c) $24,727; John McGuire, Leavenworth, Kan., (a) $32,528, (b) $29,938; Kansas Paving & Construction Co., Kansas City, Mo., (a) $35,004, (b) $32,414; Watts & Amerman, Concordia, Kan., (a) $34,725, (b) $32,005, (c) $25,-261; Wilson Construction Co., Whiting, Ind., (a) $34,080, (b) $32,267; Peak & Stingley, Manhattan, Kan., (a) $36,239, (b) $33,649, (c) $27,034; Monarch Engineering Co., Falls City, Neb., (b) $30,916; Kaw Paving Co., Topeka, Kan., (a) $34,222, (b) $31,502, (c) $26,421; Land Construction Co., St. Joseph, Mo., (a) $35,418, (b) $32,310; E. D. Tyner Construction Co., Kansas City, Mo., (a) $33,133, (b) $31,838, (c) $25,741; J. R. Ramsey, Lawrence, Kan., (a) $34,038, (b) $30,153, (c) $25,460; Elliott & Vance, Parsons, Kan., (a) $31,713, (b) $29,382; E. W. Geiger Construction Co., Leavenworth, Kan., (a) $32,104, (b) $29,579, (c) $26,282; Ozark Paving Co., Joplin, Mo., (a) $36,004, (b) $33,-414, (c) $27,706; Olsen Schmidt Construction Co., St. Joseph, Mo., (a) $36,645; (b) $34,444; E. F. Wilcox & Co., Kansas City, Mo., (a) $37,430, (b)$34,257; A. R. Young & Co., Lawrence, Kan., (a) $35,524, (b) $33,582, (c) $27,865; A. Jaicks Co., Kansas City, Mo., (c) $25,942.

Leola, S. D.—Bids will be received until 3 p.m., Apr. 6, for grading highways during 1915. J. B. Wittmayer is Audr. of McPherson County.

McIntosh, S. D.—Bids will be received until 2 p.m., Apr. 7, by Rudolph Jager, Comr. of Corson County, for grading the county highway.

Russellville, Ark.—Press reports state that the City Council contemplates paving about two miles of streets.

Austin, Tex.—Press reports state that 33,000 sq.yd. of oiled gravel road will be constructed by day labor. M. C. Wellborn is Engr.

Galveston, Tex.—Press reports state that the Gulf, Colorado & Santa Fé Ry. plans to expend $6631 for paving.

Kountze, Tex.—At a recent election the citizens of Hardin County voted in favor of issuing $150,000 in bonds for constructing roads in Road District No. 1. Noted Feb. 18.

✚Midlothian, Tex.—A contract has been awarded for constructing concrete sidewalks by the City Council to W. C. DAVIS & SONS, Ft. Worth, Tex.

Oakville, Tex.—An election will be held Mar. 27 to vote on the question of issuing $40,000 in bonds for constructing roads in Live Oak County.

Saratoga, Tex.—Bonds for $150,000 were sold Feb. 19, the proceeds of which will be used for building roads between Batson and Saratoga and half way to Sour Lake.

Uvalde, Tex.—Press reports state that $20,000 in bonds have been issued for improving streets.

Drumright, Okla.—The City Council contemplates paving Broadway, Pennsylvania and Ohio Ave.

Phœnix, Ariz.—An appropriation of $152,000 has been made for road work in Gila, Pinal and Yavapai Counties.

Colville, Wash.—Press reports state that plans are being prepared for constructing the Springdale Hunter Blvd.

Ephrata, Wash.—(Official)—Bids will be received until 2 p.m., Apr. 5, by C. T. Sanders, County Audr., for constructing two miles of water-bound macadam highway No. 5A. E. H. Stradling is County Engr.

Goldendale, Wash.—The Commissioners of Klickitat County contemplate an expenditure of $150,000 for constructing roads.

Lynden, Wash.—The City Council contemplates paving Fifth St. with brick. The estimated cost is $10,000.

Ritzville, Wash.—The City Council has decided to grade, gravel, culvert and drain 2¾ miles of streets.

Spokane, Wash.—Bids will be received until Apr. 6 by the County Commissioners for paving Rockford, Waverly and Dinnison Park Highway with asphalt macadam. The estimated cost is $150,000.

Walla Walla, Wash.—Bids will be received about Mar. 30 by M. A. Power, City Clk., for paving North Second, North Ninth and Whitman St. and Isaac Ave. The estimated cost is $35,000.

Olympia, Wash.—(Official)—The State Highway Commissioner wires Mar. 10 that the State Legislature has just appropriated $2,152,288 and reappropriated $153,640 for the construction and maintenance of state highways and $4,000,000 for the construction and maintenance of other permanent highways. In addition to these about $4,000,000 will be used for constructing and keeping county roads and bridges.

Hanford, Calif.—The city contemplates constructing about five miles of streets, at an approximate cost of $185,-000. Max Enderlein is City Engr.

✚Long Beach, Calif. — FAIRCHILD-GILMORE-WILTON CO. has been awarded the contract at $50,900 for improving Anaheim St. between Daisy Ave. and the west city limits, a distance of about one mile. Noted Feb. 18.

✚Manhattan Beach, Calif.—THE CROWN CONTRACTING CO., Santa Monica, has been awarded the contract at $16,912 for improving a portion of Center St. Noted Feb. 11.

✚Redding, Calif.—The City Trustees have awarded a contract for street paving to the CHICO CONSTRUCTION CO., of Chico, Calif., at $20,000.

✚Redwood City, Calif.—(Official)—A contract for constructing 4.26 miles of paving on Menlo Park to Portola Rd., 2.10 miles of oil macadam and ½ mile concrete base on San Mateo Rd. to Half Moon Bay Rd. has been awarded to D. FLYNN, Redwood City, at $28,297. Other bids were: Spring Construction Co., $30,618; Blanchard-Brown, $29,563; Peterson-Grier, $29,454. Noted Feb. 18.

✚San Francisco, Calif.—The Board of Public Works has awarded a contract for paving Portola Drive to HIRAM G. VAUGHAN, at $46,200.

San Francisco, Calif.—The Board of Works has ordered the paving of Connecticut St. from 19th St. to a point beyond 20th, and also the crossing of 19th and 20th. The cost estimated is $23,100.

London, Ont.—The City Council plans an expenditure of $200,000 for paving during 1915. H. A. Brazier is City Engr.

Orillia, Ont.—According to press reports the City Council contemplates an expenditure of $7600 for improving roads for 1915.

Stamford, Ont.—The City Council plans to pave a number of streets in the near future. J. C. Gardner, Queen St., Niagara Falls, is Engr.-in-Charge.

New Westminster, B. C.—The City Council plans to pave Sixth St. from Columbia to Third Ave. and Carnavon St. from Eighth St. to the bridge. T. W. B. Blackman is Engr.

Victoria, B. C.—Press reports state that bids will be received about Mar. 25 for paving Ash St. The estimated cost is $10,000.

INDUSTRIAL WORKS

Manchester, N. H.—The W. H. McElwain Co. plans the construction of an addition to its plant in South Manchester. Estimated cost, $100,000.

Cambridge, Mass—Harvard University plans to construct a $60,000 building for the "Crimson," one of the campus publications. Jardine, Hill & Murdock, 3 West 29th St., New York, N. Y., is Arch.

Worcester, Mass.—Plans have been prepared for the construction of a three-story cold-storage warehouse and office building at 219 Summer St. for Armour & Co., Union Stock Yards, Chicago, Ill.

Pawtucket, R. I.—Plans have been prepared for the construction of a three-story, 110x200-ft. brick factory on Barton St. for the Jenckes Spinning Co.

Bridgeport, Conn.—The Remington Arms Union Metallic Cartridge Co. plans to construct 17 four- and five-story buildings for its plant at Bridgeport. Frank O. Hoagland is Local Mgr. of the company.

✚New Haven, Conn.—The contract for the construction of a six-story, 58x846-ft. factory for the Winchester Repeating Arms Co. has been awarded to the ABERTHAW CONSTRUCTION CO., 8 Beacon St., Boston, Mass. Estimated cost, $50,000. This is one of the many buildings to be constructed by this company.

✚New Haven, Conn.—The contract for the construction of a two-story, 60x160-ft. factory on Fox St. for the Mysto Mfg. Co. has been awarded to LEWIS A. MILLER, 26 Church St., Meriden. Noted Feb. 4.

New Haven, Conn.—Plans have been prepared by R. W. Foote, 424 Chamber of Commerce Bldg., for the construction of a garage on York St. The main building will be one-story, 84x146 ft. with two wings, one, two-stories 46x50 ft., and the other, one-story 47x90 ft.

New York, N. Y.—(Borough of Manhattan)—Plans have been prepared by G. H. Pelgram for the construction of a two-story, 38x77-ft. warehouse on 74th St. near Ave. A for the Manhattan Ry. Co., 165 Broadway. Estimated cost, $30,000.

New York, N. Y.—(Borough of Brooklyn)—The William Beckers Aniline & Chemical Works, 105-113 Underhill Ave., Brooklyn, has been incorporated with a capital of $1,000,000. The company plans to construct 23 buildings near Jamaica Bay, for manufacturing purposes.

✚Bridgeton, N. J.—H. H. HANKINS & BRO. has been awarded the contract for the construction of a three-story, 63x150-ft. factory for the Sanitary Can Co., 447 West 14th St., New York, N. Y. Estimated cost, $20,000.

✚Jersey City, N. J.—The STILLMAN DELEHANTY-FERRIS CO., 26 Exchange Pl., has been awarded the contract for excavation and piling for the building on First St., to be constructed by the Great Atlantic & Pacific Tea Co., at $0.75 per cu.yd. for excavating and $6.50 per cu.yd. for piling. Noted Feb. 11.

Chester, Penn.—T. Woodward Trainer, Secy. of the Chester Chamber of Commerce, is interested in a company that recently purchased half of the Roach Shipyard. The site will be used for the construction of a plant to manufacture paper and pulp board. Estimated cost, $300,000.

Philadelphia, Penn.—Plans have been prepared for the construction of a one-story, 140x179-ft. factory at 18th and Cambria St. for the Linde Air Products Co., 42nd St. Bldg., 42nd St., New York, N. Y. Noted Oct. 22 and Feb. 18.

Philadelphia, Penn.—Plans are being prepared by Schermerhorn & Phillips, Arch., for the construction of a six-story factory at 210 South 13th St. for Joseph H. Davidson's Sons.

Pittsburgh, Penn.—W. L. Davis, Glenshaw Ave., plans to construct a five-story garage and repair plant at Garrison and French St. The estimated cost is $38,000. Ellsworth Dean, 331 Fourth Ave., is Arch.

Pottstown, Penn.—E. H. Price & Co. will rebuild its plant recently destroyed by fire with a loss of $35,000.

✚Scranton, Penn.—The contract for the construction of a two-story, 60x300-ft. factory for the Motor Kart Co., Inc., has been awarded to the PARSONS CONSTRUCTION CO. Noted Nov. 26 and Jan. 28.

Slatedale, Penn.—The Westinghouse Electric & Mfg. Co. plans to construct a factory for the manufacture of switchboards.

Baltimore, Md.—P. Kennedy will construct a one-story, 100x300-ft. foundry. The estimated cost is $150,000.

Suffolk, Va.—The Planters' Nut & Chocolate Co. plans to construct a five-story, 70x140-ft. brick addition to its plant.

Wheeling, W. Va.—J. E. Moss Iron Works plans to construct an addition at 28th and Market St. The estimated cost is $25,000.

✚Charlotte, N. C.—The Savona Mfg. Co. has awarded the contract to the FISKE-CARTER CONSTRUCTION CO., Greenville, S. C., for the construction of a one-story, 125x200-ft. factory.

✚Augusta, Ga.—The contract for the construction of a three-story, 60x120-ft. reinforced-concrete plant for Armour & Co., Union Stock Yards, Chicago, Ill., has been awarded to the EVANS BROS. CONSTRUCTION CO., Birmingham, Ala. J. Power will supervise the construction.

Rome, Ga.—J. F. Allison and R. L. Critchfield, Calhoun, are organizing a company to construct a bleaching plant. The estimated cost is $25,000.

Greenwood, Miss.—The Economic Power & Products Co. plans to construct ten buildings for the manufacture of pulp and chemical by-products from cotton stalks. William D. Miller, Lafayette Bldg., Philadelphia, Penn., is Secy.

✚Memphis, Tenn.—J. E. HOLLINGSWORTH & CO. has been awarded the contract for the construction of a 200x200-ft. warehouse at Macon and Iowa St. for the Thomas Iron Co. The estimated cost is $30,000.

Paducah, Ky.—The Weyman-Burton Co. has increased its capital stock to $2,000,000. The company plans to construct a tobacco factory.

✚Hamilton, Ohio—The contract for the construction of a roundhouse for the Cincinnati, Hamilton & Dayton Ry. has been awarded to PATRICK FARRELL, 1010 Second National Bank Bldg., Cincinnati. Estimated cost, $30,000.

✚Chester, Ill.—The contract for the construction of a six-story plant for the H. C. Cole Milling Co. has been awarded to the GILSONITE CONSTRUCTION CO., Wainwright Bldg., St. Louis, Mo. Estimated cost, $80,000.

Chicago, Ill.—According to press reports plans have been prepared for the construction of a terminal and market at 39th St. and Ashland Ave. for the Produce Terminal Corporation. The estimated cost of the project is $20,000,000 and will be financed by the Chicago Junction Ry. and the Union Stock Yard & Transit Co. John A. Spoor is Chn. of both companies.

Milwaukee, Wis.—Charles H. Tharinger, Arch., 2324 State St., has prepared plans for the construction of a three-story, 90x130-ft. factory at Booth and George St. for the Lorenz Bros. Macaroni Co., 890 12th St. The estimated cost is $75,000.

✚Oshkosh, Wis.—The contract for the construction of a three-story, 80x194-ft. factory for the Morgan Lumber Co. has been awarded to the FLUOR BROS. CONSTRUCTION CO. The estimated cost is $25,000.

Hesper, Mont.—(Foster post office)—The Montana Land & Farm Products Co., Billings, will start construction about May 1 on a canning factory at Cove Orchard near Hesper. Estimated cost, $45,000. T. F. Danaher, Minneapolis, Minn., is Pres. and C. B. Little is Vice-Pres.

✚Weldon, Ark.—The contract has been awarded to B. R. McDEARMON for the construction of a plant for the Weldon Canning Co. The company was recently organized with a capital of $90,000. J. F. Bell is Pres. and George W. McDearmon is Secy.

Port Bolivar, Tex.—According to press reports a syndicate has been formed for the purpose of constructing an extensive system of terminals which will connect with the Atchison, Topeka & Santa Fé R.R. The estimated cost of the project is $2,000,000. Paul T. Bruyere, Engr., 50 Church St., New York, N. Y., is interested.

✚Ogden, Utah—L. N. MEID has been awarded the contract for the construction of the superstructure of a five-story plant at Pacific Ave. and 29th St. for the Utah Cereal Food Products Co. The estimated cost is $120,000. J. S. Carver is Chn. and M. Browning is Pres. Noted May 14 and Sept. 3.

Ogden, Utah—The Utah Milling Co. will rebuild its plant recently damaged by an explosion with a loss of $30,000. Louis Peery is interested.

Anaheim, Calif.—Reuther & Hosda, Los Angeles, has purchased a 20-acre site and will construct a meat packing plant. The estimated cost is $50,000.

Los Angeles, Calif.—Plans have been prepared by E. P. Parcher for the construction of a 2½-story, 55x140-ft. reinforced-concrete warehouse on Highland Ave. near Hollywood Blvd. for the C. E. Toberman Co. The estimated cost is $25,000. John F. Blee is Engr.

San Leandro, Calif.—The Central California Canneries, 1 Drumm St., San Francisco, will construct an addition to its plant. The estimated cost is $25,000.

Westwood, Calif.—The Red River Lumber Co. will construct two buildings. One will be a 64x400-ft. addition to its sash and door factory and the other will be a 120x160-ft. addition to the box factory.

FEDERAL GOVERNMENT WORK

✚Dredging—Port Chester, N. Y.—Contracts for dredging in Port Chester Harbor have been awarded to JOHN A. SEELY, 30 Church St., New York, N. Y., at $8000, and the MORRIS & CUMINGS DREDGING CO., New York, N. Y., at $18,000. Noted Jan. 28.

★✚Dredging—New Jersey—The contract for dredging in Raritan Bay has been award d to the MORRIS & CUMINGS DREDGING CO., 17 State St., New York, N. Y., and for dredging in Woodbridge Creek to the BAY DREDGING & CONTRACTING CO., 215 Montague St., New York, N. Y. No bids were received for dredging in Shrewsbury River. Noted Feb. 11 and Mar. 4.

★Boat Hulls, Etc.—Pittsburgh, Penn.—Bids will be received by Capt. Harold C. Fiske, U. S. Engineer Office, Pittsburgh, until noon, Apr. 3, for furnishing and delivering maneuver-boat hulls, steamboat and hand capstans, derricks, kevels, spuds, etc., for Dams Nos. 10, 12, 15, 19, 20 and 29, and engines and electric light plants, etc., for maneuver boats at Dams Nos. 10 and 29, Ohio River.

★Power House and Accessories—Pittsburgh, Penn.—Bids will be received until noon, Apr. 5, by Capt. Harold C. Fiske, U. S. Engineer Office, Pittsburgh, for constructing a power house, furnishing and installing boilers, compressors, etc., at Dam No. 10, Ohio River.

✚Buildings—Indianhead, Md.—The contract for the construction of four dry houses for smokeless powder at the Naval Proving Ground has been awarded to JOHN H. NOLAN CONSTRUCTION CO., Washington, D. C., at $21,065. Noted Feb. 18.

✚Remodeling Toilet Rooms—Washington, D. C.—The contract for remodeling the toilet rooms in the State, War and Navy Dept. Bldg., Washington, has been awarded to the STANDARD ENGINEERING CO., Woodward Bldg., Washington, D. C., at $82,825. Noted Mar. 4.

✚Sewers—Washington, D. C.—Contracts have been awarded to WARREN F. BRENIZER CO., Washington, D. C., for the construction of Nailor's Run, Hawes' Run, and Burnt Bridge Run Trunk Sewers, Washington, D. C. Noted Mar. 4.

Grading—Washington, D. C.—Bids will be received until 2 p.m., Mar. 15, by the District Commissioners for grading certain streets. Oliver P. Newman, District Bldg., Washington, is one of the Comrs.

Traveling Crane—Washington, D. C.—Bids will be received until 11 a.m., Mar. 27, by H. R. Stanford, Chief, Bureau of Yards and Docks, Navy Dept., for furnishing one 15-ton, four-motor electric traveling crane at the navy yard, Washington.

✚Wharves—Washington, D. C.—The contract for the construction of three wharves in the District of Columbia has been awarded to W. D. MURRAY & CO., INC., Norfolk, Va., at $21,791; ordinary excavation (2050 cu.yd.) at 49½c., revetment wall (546 lin.ft.) at $19.73, dredging (16,600 cu.yd.) at 49½c. Noted Mar. 4.

✚Post Office—Chanute, Kan.—The contract for the construction of post office at Chanute has been awarded to MAYBEN & FRUECHTEL, Gadsden, Ala., at $51,630. Noted Dec. 24 and Feb. 4.

Brick Mess Hall—Pierre, S. D.—Bids will be received by Cato Sells, Comr. of Indian Affairs, Department of Interior, Washington, D. C., until 3 p.m., Mar. 30, for the construction of a brick mess hall at the Pierre School.

Barracks, Kitchen and Storehouse—Hot Springs, Ark.—Bids will be received by the Constructing Quartermaster until 11 a.m., Mar. 20, for constructing barracks, kitchen and storehouse at the Army and Navy Hospital, Hot Springs.

Post Office, Court House and Custom House—Corpus Christi, Tex.—Bids will be received until 3 p.m., Apr. 19, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for the construction of a postoffice, court house and custom house at Corpus Christi.

Dredging—Port Aransas, Tex.—The following are the bids received for dredging at Port Aransas and on the channel from Aransas Pass to Corpus Christi, Tex.: R. A. Perry, 323 Security Bldg., Galveston, Tex., $85,424; Bowers Southern Dredging Co., Galveston, $77,132; Home Dredging Co., Mobile, Ala., $84,960; P. B. Miller, Houston, Tex., $74,158. Noted Feb. 11.

✚Canal Work—Payson City, Utah—The following are the bids received for canal work in connection with lateral 30, High Line Canal, Strawberry Valley Reclamation project: Wasatch Grading Co., Salt Lake City, Utah, $47,083; Henser & Sim, Salt Lake City, Utah, $47,952; Ryberg Bros., Logan, Utah, $48,413; Reynolds-Ely Construction Co., Springville, Utah, $48,864; Messmer & Rice, Los Angeles, Calif., $49,359; Spanish Fork Grading Co., Spanish Fork, Utah, $54,476. Noted Jan. 28.

Addition to Dormitory—Tuba, Ariz.—Bids will be received by Cato Sells, Comr. of Indian Affairs, Dept. of the Interior, Washington, D. C., until 10:30 a.m., Mar. 24, for building an addition to the stone dormitory at the Western Navajo School.

Millwork—Panama—Bids will be received until 2 p.m., Mar. 12, by Maj. F. C. Boggs, Gen. Pur. Officer, Panama Canal, Washington, D. C., for furnishing cypress millwork for two two-story two-family quarters at Balboa.

MISCELLANEOUS

Scenic Railway—Agawam, Mass.—Josiah Pearce & Sons, New Orleans, La., will build a scenic railway at Riverside Park. The estimated cost is $50,000. Fred W. Pearce, Hotel Worthy, Springfield, Mass., is Local Mgr.

★✚Subway—Boston, Mass.—The contract for the construction of Section H of the Dorchester Tunnel has been awarded to the T. A. GILLESPIE CO., 50 Church St., New York, at $554,750. E. S. Davis, 15 Beacon St., is Ch. Engr., Transit Comn. Noted Mar. 4.

Pier—Scituate, Mass.—The Board of Selectmen has voted to construct a pier and public landing at the foot of Willow St. on the Cornelius Driscoll property. The estimated cost is $14,000.

Wharf and Bulkhead—New Haven, Conn.—It is reported that the Connecticut Co. plans to construct a wharf and bulkhead on its property at the foot of Ferry St. W. R. Dunham, Jr., is Engr.

Motor Fire Apparatus—Waterbury, Conn.—Bids will be received by the Board of Public Safety, 111 West Main St., until 8 p.m., Mar. 17, for furnishing two motor triple combination pump and chemical engines and hose carts. Motor must be six-cylinder and of 100 hp., having a capacity of 750 gal. per min. Alternate bid may be submitted for one motor engine as above and one tractor. An appropriation of $14,000 is available.

Park Improvements—New York, N. Y.—George W. Perkins, Chn., Palisade Interstate Park Comn., has requested the Assembly Ways and Means Committee to include in its appropriation bill, $130,000 for the maintenance of the park for the present fiscal year.

Pier—New York, N. Y.—(Borough of Manhattan)—The following bids were received by the Commissioner of Docks and Ferries for the construction of a pier at West 46th St. and North River: Hollbrook, Cabot & Rollins Corporation, 331 Madison Ave., $244,449; Stillman-Delahanty-Ferris, 26 Exchange Pl., Jersey City, N. J., $250,000; G. B. Sperin, 90 West St., $257,560; Phoenix Construction Co., 41 Park Row, $264,897; Geo. W. Rogers & Co., Inc., 29 Broadway, $268,860; McHarg-Barton Co., 171 Madison Ave., $283,896; Henry Steers, Inc., 17 Battery Pl., $286,452; Oscar Daniels Co., 233 Broadway, $289,000; H. P. Converse Co., 1 Union Sq., $316,030.

Oil and Broken Stone—New York, N. Y.—(Borough of the Bronx)—(Official)—Bids will be received until 10.30 a.m., Mar. 18, by the Borough President, for furnishing (1) 200,000 gal. coal tar oil for roads: (2) 200,000 gal. of tar road oil; (3) 200,000 gal. asphalt road oil; (4) 4000 cu.yd. of grits; (5) 1½ in. broken trap rock stone.

Balconies and Awnings—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received by the Department of Public Charities, Municipal Bldg., until 10:30 a.m., Mar. 18, for furnishing the materials and installing fireproof balconies and awnings at the Reception Hospital, Randall's Island.

✚Elevated Railway Work—New York, N. Y.—(Borough of Brooklyn)—The Public Service Commission for the First District has approved the recommendation of the New York Municipal Ry. Corporation, in awarding the contract for constructing seven stations on the Fulton St. elevated railroad in Brooklyn to JOHN THATCHER & SON, at $258,664.

Market—Newark, N. J.—William S. Lehman, 738 Broad St., has prepared plans for a market to be constructed at Broad and Green St. It will be of reinforced-concrete, 64x150 ft.

Elimination of Grade Crossings—Ridgewood, N. J.—The Erie R.R. Co. plans to eliminate the grade crossing in this town. Bids will be received about Apr. 1. F. Havard, 50 Church St., New York, is Engr.

Subway—Philadelphia, Penn.—On Mar. 4 the Common and Select Councils passed a bill providing for an election Apr. 29 to vote on a loan of $6,000,000 for subway work. This includes the construction of a subway from League Island to Olney Ave., elevated spurs to the northeast and northwest and a Frankford elevated line from Front and Arch St. to Rhawn St. The bill went to the Mayor for his signature and he has until the next meeting of Councils, Mar. 18, to act upon it.

✚Dredging, Bulkhead and Retaining Wall—Baltimore, Md.—The Western Maryland R.R. has awarded contracts to SANDFORD & BROOKS CO., Baltimore, for 300,000 cu.yd. of dredging, 1124 ft. of reinforced-concrete bulkhead, and timber retaining walls, 177 and 375 ft. each.

Pier—Portsmouth, Va.—The Virginia Smelting Co. plans to construct a slag pier of sufficient length to berth several vessels; also with accommodations for **warehouses**.

Pier—Biloxi, Miss.—The Deer Island Construction Club is having plans prepared for the construction of a pier on the north side of Deer Island.

✚Drainage—Gonzales, La.—The Commissioners of the New River Drainage District have awarded the contract for the construction of 27 miles of canal to the D. B. GORE CO., Shreveport, at 6.75c. per cu.yd. Noted Mar. 4.

Canal—New Orleans, La.—The Dock Board has retained Ford, Bacon & Davis, 24 Broad St., New York, as engineer to prepare the plans for the river-to-lake canal.

Dredging—Cleveland, Ohio—The lowest bid submitted to the Commissioner of Purchases and Supplies for dredging in the Cuyahoga River was that of the Great Lakes Dredge & Dock Co., at 16.45c. per cu.yd. Noted Feb. 25.

Recreation Center and Fire Apparatus—Columbus, Ohio—The City Council has passed ordinances appropriating $25,000 for Glenwood Park Recreation Center, $10,000 for fire hydrants and $60,000 for motor fire equipment.

Ditch—Columbia City, Ind.—Bids will soon be received for the construction of the Benjamin F. Shull ditch. It will be 16 miles long and will drain Washington, Jefferson, Clear-creek and Jackson townships. The estimated cost is $28,000. J. Earl Plummer is Comr. of Const.

✚Cement—DePere, Wis.—The County Highway Commissioner has awarded the contract for furnishing 10,000 bbl. of portland cement for the DePere-Green Bay concrete road project, to the BARKHAUSEN COAL CO., Green Bay, Wis., at $1.30 per bbl.

✚Retaining Wall—Cedar Rapids, Iowa—The contract for the construction of the 26-ft. reinforced-concrete river wall, including sidewalk and stairs, has been awarded to FRANK K. HAHN, at $31,238. Noted Feb. 18.

Ditch—Blue Earth, Minn.—Bids will be received until 11 a.m., Mar. 19, by J. L. Herring, County Audr., for the construction of County Ditch No. 27. Work includes laying 18,000 ft. of 6- to 20-in. tile.

Ditch—Fairfax, Minn.—All bids received for the construction of Ditch 57 have been rejected. New bids will be received until 1 p.m., Mar. 15.

✚Ditch—International Falls, Minn.—The contract for the construction of Judicial Ditch No. 18, including 8.06 miles of ditching and 800 acres of grubbing and clearing, has been awarded to the INTERNATIONAL FALLS CONSTRUCTION CO.

Ditch—Olivia, Minn.—Bids will be received until Mar. 15 by J. L. Johnson, County Audr., for the construction of County Ditch No. 57. Estimated cost, $13,120.

Ditch—Roseau, Minn.—Plans are being prepared and bids will be received about June 1, for the construction of Judicial Ditch No. 21. It will be open dredge work. The estimated cost is $100,000. G. A. Ralph, St. Paul, is Engr.

Roofing and Sheet Metal Work—St. Cloud, Minn.—(Official)—Bids will be received until 2 p.m., Mar. 23, by the State Board of Control, for furnishing the structural steel, cast iron work, steel sash, roofing, and sheet metal work necessary for the construction of a power house at the State Reformatory, St. Cloud. C. H. Johnston, 715 Capital Bank Bldg., St. Paul, is Arch.

Ditch—Slayton, Minn.—Bids will be received until Mar. 24 by E. V. O'Brien, County Audr., for the construction of Judicial Ditch No. 3. The estimated cost is $72,882.

Drainage—Cordele, Tex.—Jackson County Drainage District No. 7 has had plans prepared for the c linage of 15,00(acres. A bond issue of $30,000 will be voted on Apr. 10, the proceeds to defray the cost. W. C. Youngs, Edna, Tex., is Engr.

✚Dredging Canal—Harlingen, Tex.—Cameron County Irrigation District No. 1 has awarded the contract for dredging 190,000 cu.yd. of silt from the canals to the W. E. CALLAHAN CONSTRUCTION CO., San Benito, Tex., at 14.5c. per cu.yd.

Dredging—Orange, Tex.—The Orange County Navigation Board proposes to use the remaining $45,000 in the appropriation fund for deepening the channel from Orange to the Gulf, in widening and improving the Sabine-Neches Channel.

Terminal—Port Bolivar, Tex.—See item under "Industrial Works."

Pipe Line—Lakes Albert and Summer, Ore.—The State Legislature has recently ratified a lease made by the State Land Board, to Jason C. Moore, 141 Broadway, New York, permitting the extraction of the salts from the waters of the lakes. The lease will run for 400 years. It is stated that $2,000,000 will be spent in constructing a pipe line and considerably more on a manufacturing plant.

✚Wharf—Richmond, Calif.—The City Council has awarded the contract for the construction of municipal wharf No. 1 to the HEALY-TIBBITS CONSTRUCTION CO., San Francisco, at $212,344.

Fire Stations—San Francisco, Calif.—Ward & Blohme, Arch., is preparing plans for two fire-houses to be constructed at an estimated cost of $70,000.

✚Pier—Venice, Calif.—Press reports state that the contract for constructing the Windward Ave. pier has been awarded to CHARLES A. CORBALEY, Los Angeles, at about $100,000.

Breakwater—Fort William, Ont.—Press reports state that the contract for constructing the extension to the Ft. William breakwater has been awarded to the THUNDER BAY CONSTRUCTION CO., at $250,000.

Cement—Toronto, Ont.—Bids will soon be received by the Board of Control for furnishing 100,000 bbl. of cement. All previous bids were rejected. R. C. Harris is Comr. of Wks.

Breakwater and Piers—Victoria, B. C.—The Dominion Government has been reported as having appropriated $1,400,000 for the construction of breakwaters and outer piers in the local harbor. An appropriation of $250,000 has also been made for completing the drydock at Esquimault.

BUILDINGS

Other items relative to Building Construction will be found under the following headings: "Industrial Works;" "Federal Government Work" and "Miscellaneous"

Brunswick, Maine—Allen & Collins, Boston, Mass., and Felix A. Burton, Brunswick, are preparing plans for the construction of a two-story high school. Estimated cost, $50,000.

Durham, N. H.—The Board of Directors of the State College of New Hampshire contemplates the construction of a dormitory and the Commons Bldg. Estimated cost, $135,000. E. T. Fairchild is Pres.

Manchester, N. H.—The Board of Education contemplates the construction of a high school. Estimated cost, $350,000.

Boston, Mass.—Preliminary plans are being prepared by S. W. St. Clair and R. Clipston Sturgis, 120 Boylston St., for the construction of a 10-story building at Park Sq. near Arlington and St. James St., for the Women's Board of Trade of Massachusetts. Estimated cost, $250,000.

✚Newton, Mass.—The contract for the construction of a church and a parish house for the Second Congregational Church has been awarded to NORCROSS BROS., Worcester, Mass. Estimated cost, $150,000.

Maynard, Mass.—The Board of Education contemplates the construction of a high school. Estimated cost, $50,000.

Southbridge, Mass.—Bids will be received about Mar. 25 for the construction of a three-story, 45x110-ft. apartment block for T. F. Murphy. Estimated cost, $50,000. Samuel F. McIntosh, 1401 Turk's Head Bldg., Providence, R. I., is Arch.

Springfield, Mass.—The Board of Education contemplates the construction of a high school at West Springfield. Estimated cost, $120,000.

Swansea, Mass.—Preliminary plans are being prepared for the construction of a high school. Estimated cost, $50,000. Mrs. Frank S. Stevens is interested.

Worcester, Mass.—Bids will be received soon for the construction of a six-room addition to the Cambridge St. School. Estimated cost, $53,327.

Providence, R. I.—Bids will be received by W. E. Hartwell, Comr. Pub. Works., for the construction of the Laurel Hill Ave. School. Estimated cost, $190,000. Clark & Howe, 76 Weybosset St., is Arch. Noted Jan. 7.

★**Kings Park, N. Y.**—(Official)—Bids will be received until 2:30 p.m., Mar. 18, by the State Hospital Commission, Capitol, Albany, N. Y., for the construction of an addition to the Kings Park State Hospital. Lewis F. Pilcher is State Arch.

New Rochelle, N. Y.—Bids will be received until Mar. 15 for the construction of additions to the hospital on Guion St. for the New Rochelle Hospital Association. Estimated cost, $90,000. Edward F. Stevens, 9 Park St., Boston, Mass., is Arch. Noted Dec. 3.

New York, N. Y.—(Borough of Bronx)—Plans are being prepared by George F. Pelham, 30 East 42d St., for the construction of a five-story, 25x110-ft. apartment house at Elsmere Pl. and Daly Ave., for the Defender Construction Co., 20 Nassau St. Estimated cost, $50,000.

New York, N. Y.—(Borough of Manhattan)—Plans are being prepared by Hoppin & Koen, Arch., 224 Fifth Ave., for the construction of a building at 15 East 66th St., for Harris Fahnestock. Estimated cost, $100,000.

New York, N. Y.—(Borough of Manhattan)—Young & Wagner has prepared plans for the construction of two six-story apartment houses on 161st St. near Ft. Washington Ave. for the Hudson View Construction Co., 189 Broadway. Estimated cost, $300,000.

✚**New York, N. Y.**—(Borough of Queens)—The general contract for the construction of Public School No. 97 at Yarmouth and Shipley St., has been awarded to TRYMIER & HANNA CO., 25 West 45th St., New York, N. Y. Estimated cost, $160,000. Noted Feb. 18.

Rochester, N. Y.—Preliminary plans are being prepared by Clarence A. Livingston, Troop H of the National Guard, for the construction of an armory. Estimated cost, $150,000.

✚**Syracuse, N. Y.**—The contract for the construction of a parochial school at Montgomery and Madison St. for the Cathedral of the Immaculate Conception Parish has been awarded to the O'BRIEN CONSTRUCTION CO., at $75,000. Noted Nov. 12.

★**Watervliet, N. Y.**—(Official)—Bids will be received until 2 p.m., Mar. 22, by the Board of Contract & Supply, 1520 Broadway, Watervliet, for the construction of a three-story, 70x110-ft. City Hall at 15th St. and Broadway. Demers, Mosley & Campaign, Troy, N. Y., is Arch. Noted Feb. 11.

Whitesboro, N. Y.—Preliminary plans are being prepared for the construction of a school on Main St. Estimated cost, $75,000.

Asbury Park, N. J.—Plans have been prepared by Leon Cubberly, Record Bldg., Long Branch, N. J., for the construction of a moving picture theater for J. Walter Butcher, 301 First Ave. Estimated cost, $75,000.

Cliffside Park, N. J.—(Cliffside post office)—Ernest Sibley, Palisade Park, N. J., is preparing plans for the construction of Public School No. 3 at Palisade and Riverview Ave. Estimated cost, $85,000. Joseph Whalen is Pres. of Bd.

Garfield, N. J.—(Passaic post office)—The Board of Education contemplates the construction of a two-story high school. Estimated cost, $90,000. Charles H. Wright is Pres. of Bd.

Jersey City, N. J.—Bids will be received by John T. Rowland, Jr., 98 Sip Ave., for the construction of a three-story home for the blind on Pavonia Ave. near Baldwin Ave., for St. Joseph's Home for the Blind Sisters. Estimated cost, $100,000.

✚**Perth Amboy, N. J.**—The general contract for the construction of a church on Buckingham Ave. for St. Stephen's Church has been awarded to IRA R. CROUSE, at $71,300. Edwin F. Durang & Son is Arch.

Cornopolis, Penn.—Thomas Hannah, Arch., Keenan Bldg., Pittsburgh, has completed plans for the construction of a two-story, 73x140-ft. building for the First U. P. Church. Estimated cost, $50,000.

Johnstown, Penn.—The Board of Trustees of Memorial Hospital contemplates the construction of an addition to the hospital. Estimated cost, $50,000.

McKeesport, Penn.—Bids will be received until Apr. 1 by N. T. Morton, Secy. Bd. School Dirs., for the construction of a two-story, 140x190-ft. high school. Estimated cost, $200,000. Vrydaugh & Wolfe, Pittsburgh, is Arch.

Mt. Pleasant, Penn.—Plans are being prepared by Howard C. Frank, Arch., House Bldg., Pittsburgh, for the construction of a two-story building for the Visitation Church. Estimated cost, $50,000.

Philadelphia, Penn.—Plans have been prepared by Frederick Weber, Arch., Morris Bldg., for the construction of a 14-story, 47x117-ft. apartment house. Estimated cost, $1,000,000.

Pittsburgh, Penn.—Bids will be received until Apr. 1 for the construction of a temple on Grant Blvd. and Lytton Ave. for the Syria Improvement Co. Estimated cost, $300,000. Huehl, Schmidt & Holmes, Chicago, Ill., is Arch. Noted Jan. 7.

Pittsburgh, Penn.—Plans have been prepared by Henry Hornbostle, Arch., for the construction of a three-story building for Carnegie Institute of Technology. Estimated cost, $300,000.

Rochester, Penn.—Bids will be received until Mar. 26 by G. H. Karcher, Secy. Bd. of Education, for the construction of a high school. Estimated cost, $85,000.

✚**Scranton, Penn.**—The contract for the construction of a clubhouse for the Y. M. H. A. has been awarded to E. A. FULLER, at $50,000. Isidore Finkelstein is Chn. of Bldg. Com.

Wilkes-Barre, Penn.—Plans are being prepared by Leon H. Lempert & Son, Arch., Rochester, N. Y., for the construction of a three-story, 62x216-ft. theater and office building for the Savoy Amusement Co. Estimated cost, $100,000.

Wilkes-Barre, Penn.—Preliminary plans are being prepared for the construction of a building at 185 South Franklin St. for the Church of Christ Scientist. Estimated cost, $200,000.

Baltimore, Md.—Preliminary plans are being prepared by Ellicott & Emmart, 1102 Union Trust Bldg., for the construction of an eight-story building at Charles and Saratoga St. Estimated cost, $200,000.

Baltimore, Md.—Plans are being prepared by Parker, Thomas & Rice, 1109 Union Trust Bldg., for the construction of a 15-story building at Lexington and Liberty St., for Harry E. Karr, 1301 Fidelity Bldg. Estimated cost, $1,000,000.

Washington, D. C.—Plans are being prepared by B. Stanley Simpson, 1340 New York Ave., N. W., for the construction of a seven-story apartment house at New Hampshire Ave. and 16th St., N. W., for James O'Donnell. Estimated cost, $250,000.

Washington, D. C.—Plans are being prepared by Milburn, Heister & Co., 603 Union Savings Bank Bldg., for the construction of a five-story, 92x96-ft. office building for the Potomac Electric Power Co. Estimated cost, $75,000.

✚**Huntington, W. Va.**—The contract for the construction of a three-story, 140x245-ft. high school has been awarded to HENRY PERSUN, at $246,000. Noted Jan. 21.

✚**Clemson College, S. C.**—The general contract for the construction of a Y. M. C. A. building at Clemson College has been awarded to THOMAS W. COTHRAN, Greenwood, S. C. Estimated cost, $75,000. Noted Jan. 21 under Columbia, S. C.

Atlanta, Ga.—P. Thornton Marye, Arch., is preparing plans for the construction of a municipal hospital. Estimated cost, $50,000.

Rome, Ga.—Bids will be received until Mar. 22 by J. D. Hanks, Mayor, for the construction of a two-story city hall and auditorium. Estimated cost, $90,000. A. Ten Eyck Brown, 607 Realty Trust Bldg., Atlanta, is Arch.

Jacksonville, Fla.—Bids are being received by the County Commissioners for the construction of a three-story, 154x178-ft. armory. Estimated cost, $150,000. W. B. Talley is Arch. Noted Nov. 12, 1914.

Sanford, Fla.—Plans are being prepared by E. J. Moughton for the construction of a three-story hotel for R. D. Warring, Kissimmee, Fla. Estimated cost, $100,000.

✚**Alexandria, La.**—The general contract for the construction of a six-story building at Third and Johnston St. for the Commercial Bank & Trust Co., has been awarded to NICOL, LANGFORD & JOHNSTON, Louisville, Ky. Estimated cost, $120,000.

Louisville, Ky.—Plans are being prepared by J. E. Henry, Arch., for the construction of a two-story school. Estimated cost, $75,000.

Canton, Ohio—(Official)—Bids will be received until noon, Mar. 17, by W. C. Lane, Clk., Bd. of Education, for the excavating and shoring of the Central High School. Bids will be received about Apr. 1 for the general contract. George F. Hammond, 4220 Prospect Ave., Cleveland, is Arch. Noted Jan. 28.

Cleveland, Ohio—Bids will be received Mar. 15 by the Board of Education for the construction of the three-story Central School on Central Ave. Estimated cost, $175,000. W. R. McCormack is Arch.

Cleveland, Ohio—Bids will be received Mar. 15 by the Board of Education for the construction of a three-story school on Almira Ave. and 98th St. Estimated cost, $200,000. W. R. McCormack is Arch. Noted Oct. 22 and Dec. 3.

✚**Cleveland, Ohio**—The general contract for the construction of the Corlett School has been awarded to BOLTON & PRATT CO., Columbia Bldg. Estimated cost, $95,000.

Cleveland, Ohio—Bids will be received Mar. 15 by the Board of Education for the construction of the three-story Haseldell School on East 123d St. Estimated cost, $150,000. W. R. McCormack is Arch.

Cleveland Heights, Ohio—(Warrensville post office)—Bids will be received until Mar. 15 for the construction of a four-story building on Mayfield and Lee Rd. for the Cleveland Heights Masonic Lodge. Estimated cost, $100,000. F. W. Striebinger, 1900 Euclid Ave., is Arch. Noted Jan. 7.

Columbus, Ohio—F. L. Packard, New Hayden Bldg., has revised plans for the construction of a two-story, 187x200-ft. proposed interurban freight and passenger station for the Columbus Depot Co. Estimated cost, $500,000. Frank A. Davis is Pres. Noted Sept. 24, 1914.

Columbus, Ohio—Bids were received Mar. 2 by the Board of Education for the general contract for the Studer Ave. School as follows: D. W. McGrath, $182,385; I. H. Evans & Co., $187,587; John Hina, $199,656; H. H. Carr, $202,532; Dawson Construction Co., Pittsburgh, Penn., $202,970; E. E. Beckett, $204,560; Patrick Shanahan, $196,443; B. S. Smith, $197,800; J. W. Heckart, $189,500; A. M. Fry, Piqua, Ohio, $189,511.

Dayton, Ohio—Bids will be received Mar. 29 by C. J. Schmidt, Clk. Bd. of Education, for the construction of the Dayton View School at Cambridge, Yale and Euclid Ave. Estimated cost, $135,000. All bids recently received for this work were rejected. Schenck & Williams, Arcade Bldg., is Arch. Noted Mar. 4.

Findlay, Ohio—Preliminary plans are being prepared for the construction of a lodge building for the B. P. O. E. Estimated cost, $100,000.

Fremont, Ohio—At the election to be held this spring the question of issuing $300,000 in bonds for the construction of a court house will be submitted to the voters. S. H. Shively has prepared plans.

Mt. Vernon, Ohio—The Board of Trustees of the Vine St. Church of Christ contemplates the construction of a building. Estimated cost, $50,000.

✚Springfield, Ohio—(Official)—The contract for the construction of a four-story dormitory for boys at the Ohio Masonic Home has been awarded to the CULLEN & VAUGHN CO., Hamilton, Ohio. Estimated cost, $60,000. Noted Jan. 21.

Anderson, Ind.—The City Council plans the construction of a city hall on North Main St. The estimated cost is $75,000.

✚Evansville, Ind.—The contract for the construction of a 10-story office building for the Citizens' National Bank has been awarded to the GEORGE A. FULLER CO., 111 Broadway, New York, N. Y., at $265,000.

Munising, Mich.—Bids will be received until Mar. 22 by G. S. Collins, Secy. of Bd. of Education for the construction of a two-story, 65x115-ft. school. The estimated cost is $75,000. Noted Oct. 1 and 15.

Sandusky, Mich.—(Official)—The proposition to rebuild the court house recently destroyed by fire will be voted upon Apr. 5. The estimated cost of the work is $80,000. Noted Feb. 25.

Belleville, Ill.—The Belleville Township High School Board contemplates the construction of a school to cost about $225,000.

Oak Park, Ill.—The St. Catherine of Sienna parish will construct a church and school at Washington Blvd., Austin and Humphrey Ave. The estimated cost of the church is $150,000 and the school, $75,000. Rev. J. M. Bowen is Pastor.

Rockford, Ill.—Bids will soon be received by the Board of Education for the construction of a school. The estimated cost is $75,000.

Chilton, Wis.—The St. Mary's congregation is planning to rebuild its church and parochial school recently destroyed by fire. Estimated cost, $75,000. Rev. L. N. Thelen is Pastor.

Eau Claire, Wis.—Bonds to the extent of $150,000 will soon be voted on for the construction of a city hall and auditorium.

La Crosse, Wis.—The Board of Trustees of St. Francis Hospital plans to construct two wing additions. The estimated cost is $100,000.

✚Milwaukee, Wis.—The general contract for the construction of an apartment house at Prospect Ave. and Lafayette Pl. for Marggraff Bros. has been awarded to the WILLIAM DALLMAN MASON & BUILDING CO. Estimated cost, $80,000.

Milwaukee, Wis.—Bids will be received about Mar. 15 by Kirchoff & Rose, Arch., 1312 Majestic Bldg., for the construction of the 110x150-ft. Palace Hippodrome Theater at Grand Ave. and Sixth St. It will have a seating capacity of 3000 and cost about $350,000. Noted Mar. 4.

Milwaukee, Wis.—Plans are being prepared by Wolff & Ewens, Arch., 437 East Water St., for the construction of a theater, store and office building at Third St. near Grand Ave. for the Fred Miller Brewing Co., 39th and State St. Estimated cost, $200,000.

Rhinelander, Wis.—Construction will be started about Apr. 15 on the $75,000 hotel for the Rhinelander Advancement Association. George B. Herman, Antigo, is Arch. and Engr. Noted Jan. 14.

Stevens Point, Wis.—Bids are being received by E. Buelmaier & Sons, Arch., 41 University Bldg., Milwaukee, for the construction of a four-story 60x155-ft. addition to the St. Joseph's Academy near Stevens Point. The estimated cost is $80,000.

Superior, Wis.—An election will be held Apr. 6 to vote on the proposition of issuing bonds for the construction of a municipal auditorium to cost about $75,000. R. E. McKeogue is City Clk.

Waukesha, Wis.—The Board of Education will petition the Common Council to appropriate $134,000 for the construction of schools. Noted Feb. 25.

Crosby, Minn.—The School Board of Independent School District No. 51 is planning the construction of a high school. Estimated cost, $150,000.

Hutchinson, Kan.—W. E. Hulse & Co., Arch., has prepared plans for the construction of a two-story, 65x165-ft. theater for Lee L. Wilson, 202 North Ninth St. The estimated cost is $60,000. Contracts will be awarded Apr. 15.

Topeka, Kan.—The Grand Lodge A. F and A. M. will construct a $50,000 office building at Eighth and Harrison St. The Masons also contemplate the construction of Scottish Rite Temple at Tenth and Van Buren St. It will cost about $250,000. Albert K. Wilson is Grand Secy.

Wichita, Kan.—Bids will soon be received by the Board of Education for the construction of a school on Emporia Ave. and Pine St. for the Webster District. Estimated cost, $50,000. A. A. Crowell and George W. Van Meter, Caldwell Murdock Bldg., are Arch. Noted Nov. 12.

Pierre, S. D.—See item under Federal Government Work, Brick Mess Hall.

✚Sioux Falls, S. D.—The contract for the construction of a school has been awarded to the SIOUX FALLS CONSTRUCTION CO., at $57,890. Noted Sept. 17 and Jan. 21.

✚Yankton, S. D.—The contract for the construction of a building for the Yankton College has been awarded to the WOLD CONSTRUCTION CO. Estimated cost, $85,000.

Cheyenne, Wyo.—The Legislature of Wyoming is considering the appropriation of $150,000 for enlarging the State Capitol.

Butte, Mont.—Wilson & Cutting, Arch., is preparing plans for the construction of a bank building for W. H. Clarke & Bro. The estimated cost is $60,000.

✚Great Falls, Mont.—The contract for the construction of the New Park Hotel has been awarded to LEIGHLAND, KLEPPE & CO., at $126,835. George H. Shanley is Arch.

Miles City, Mont.—School District No. 1 will vote, Apr. 1, on the question of issuing $60,000 in bonds for the construction of an addition to the Washington School.

✚St. Louis, Mo.—The contract for the construction of a building for the Missouri Athletic Association, Fourth and Washington St., has been awarded to the WILLIAM SUTHERLAND BUILDING & CONTRACTING CO., Seventh and Chestnut St., at $302,036. Noted July 30, Aug. 27 and Dec. 31.

Austin, Tex.—Bids are being received for the construction of a two-story addition to the Littlefield Bldg. The estimated cost is $50,000. C. H. Page & Bro. is Arch.

Dallas, Tex.—The Dallas Labor Temple Building Association has had plans prepared for the construction of a three-story building at Federal and Masten St. David G. Hinckler is Chn. and Gen. Mgr.

El Paso, Tex.—(Official)—Plans are being prepared and will be completed about June 1 for the construction of an addition to the Y. M. C. A. building. H. D. Durkee is Gen. Secy. Noted Feb. 25.

Ft. Worth, Tex.—An election will be held Apr. 6 by the Commissioners Court of Tarrant County to vote on the question of issuing $350,000 in bonds for the construction of a county jail. Noted Nov. 19 and Jan. 28.

San Angelo, Tex.—The Trustees of Public Schools have had plans prepared for the construction of a high school. Estimated cost, $80,000.

Okmulgee, Okla.—The citizens will vote about Apr. 1 on the question of issuing $150,000 in bonds for the construction of a county court house. C. W. Gorce is County Clk.

Tulsa, Okla.—J. W. Hawk, Arch., Ohio Bldg., has prepared plans for the construction of a two-story, 67x80-ft. library. The estimated cost is $55,000.

Loveland, Colo.—An election will be held May 3 to vote on the question of issuing $100,000 in bonds for the construction of a high school.

Ogden, Utah—(Official)—Plans are being prepared by Henry H. Meyers, Arch., San Francisco, Calif., and construction will begin June 1 on the apartment house at 26th St. and Washington Ave. for the Federal Land & Mortgage Co., Eccles Bldg., Ogden. The estimated cost is $200,000. Noted Feb. 25.

Seattle, Wash.—The State Senate has passed a bill authorizing a bond issue of $4,000,000. The proceeds will be used to complete state buildings in Seattle. Wilder & White, Temple of Justice, is Arch.

Walla Walla, Wash.—Bids are being received for the construction of a courthouse to cost $150,000. Osterman & Siebert is Arch. The contract will be awarded about Apr. 1. Noted Oct. 23 and Nov. 6, 1913, and Jan. 7 and 28, 1915.

Huntington Beach, Calif.—A bond issue of $70,000 has been voted by the citizens for the construction of a high school.

Los Angeles, Calif.—The Board of Education is having plans prepared by Norman F. Marsh, Arch., 214 Broadway, for the construction of a group of high school buildings at Hooper Ave. and 38th St. Estimated cost, $200,000.

Los Angeles, Calif.—Needham & Cline, Arch., 615 Brockman Bldg., has prepared plans for the construction of an addition to the Lincoln High School at Pritchard St. and North Broadway. The estimated cost is $90,000.

✚Oakland, Calif.—The contract has been awarded to the CLINTON FIREPROOFING CO. OF CALIFORNIA, Mutual Bank Bldg., San Francisco, at $141,700, for the construction of the Clawson School. A. L. Hannaford is Secy. of Bd. of Education. Noted Dec. 3.

Oakland, Calif.—Plans have been prepared by Carl Werner, Arch., Phelan Bldg., San Francisco, for the construction of a Class A office and theater building at 14th and Franklin St. The estimated cost is $600,000.

Owensmouth, Calif.—Plans are being prepared by Dennis & Hewitt, Arch., 618 Fay Bldg., Los Angeles, for the construction of a two-story, 63x230-ft. high school. Estimated cost, $75,000. Noted Nov. 26 and under Los Angeles, Calif., Dec. 24.

✚Rio Vista, Calif.—The CONSTRUCTION & ENGINEERING CO., San Francisco, at $55,000, has been awarded the contract for the construction of a two-story school. Henry C. Smith, Humboldt Bank Bldg., San Francisco, is Arch. Noted Nov. 26.

✚Roseville, Calif.—The contract for the construction of a one-story school has been awarded to O'ROURKE & BRADY, San Francisco, at about $50,000. W. H. Weeks, 75 Post St., San Francisco, is Arch.

Sacramento, Calif.—Carl Werner, Arch., Phelan Bldg., San Francisco, is preparing plans for the construction of a lodge building on 28th and L St. for the Scottish Rite Cathedral Association. The estimated cost is $125,000.

San Bernardino, Calif.—Bonds to the amount of $150,000 have been sold by the Board of Supervisors for the construction of county hospital buildings. Noted Oct. 1.

San Fernando, Calif.—Bonds have been sold for the construction of two high school buildings for the San Fernando Union High School District. The buildings will be reinforced-concrete and cost about $125,000. John C. Austin, Baker-Detwiler Bldg., Los Angeles, is Arch. Noted Oct. 28.

San Pedro, Calif.—Joseph Bell De Remer, Arch., 624 Title Insurance Bldg., Los Angeles, is preparing plans for the construction of a two-story school on Fifth St. The estimated cost is $75,000.

San Rafael, Calif.—Plans are being prepared by Thomas O'Connor, County Arch., 104 D St., for the construction of a two-story jail. The estimated cost is $60,000.

Woodland, Calif.—The County Supervisors are considering the construction of a court house. Estimated cost, $250,000.

Toronto, Ont.—The Board of Education has approved a recommendation of $520,000 made by the Budget Committee for the construction of a collegiate building.

Toronto, Ont.—F. E. Belfry, Arch., City Hall, is preparing plans for the construction of a high school to replace the Jarvis St. School. The estimated cost is $300,000.

✚Vancouver, B. C.—The contract for the construction of an addition to the Vancouver General Hospital has been awarded to BOOKER, CAMPBELL & WHIPPLE, Williams Bldg. Estimated cost, $50,000. Noted Jan. 14.